

COTEK

2016
DC/AC Inverter/Charger Product Catalog



Company Introduction

Company Overview & Product Range

COTEK is committed to providing proactive service, innovative technology and total quality assurance since COTEK was established in 1986. With Corporate Offices in Tao-yuan, Taiwan, COTEK is a technology-oriented company focusing on developing, designing and manufacturing products including:

- DC / AC Pure Sine Wave inverter – 150 Watts~4,000 Watts
- Inverter / Charger
- Battery Charger
- AC / DC Switching Mode Power Supply – 5 Watts~3,000 Watts
- LED Driver



Why COTEK

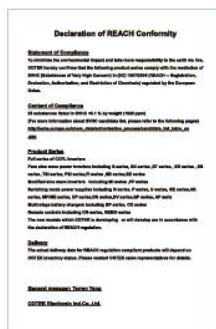
<p>One-stop shopping</p> <p>Diverse power product lines that fulfill our business partners' power requirement across multiple sectors (AC/DC, DC/AC, Chargers)</p>	<p>World-Class R&D Team</p> <p>30 years' software & hardware development capability</p>	<p>Product Safety Approvals</p> <p>Meet the global latest safety standards</p>
<p>Flexibility</p> <p>To provide off-the-shelf and customized design service</p>	<p>Prompt Service</p> <p>Authorized distributor partners in over 38 countries to ensure local services in the same time zone</p>	<p>Production Experience</p> <p>Sold more than 20 million pcs to the worldwide market</p>

Environment Friendly

COTEK takes the responsibility to minimize the environmental impact by applying green production, complying with RoHS and REACH legislation. We are also approved to meet environmental management standards, ex. ISO 9001:2008 quality standards.



RoHS Conformity



REACH Conformity



ISO 9001:2008






Contact Us

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Pure Sine Wave Inverter, Inverter / Charger



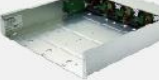
Application	Photo	Series	Description	Features	Page	Wattages																	
						100	150	200	300	350	400	500	600	700	950	1000	1200	1500	1600	2000	2500	3000	3500
<ul style="list-style-type: none"> • Mobile Caravan / RV / Martine / Special Vehicles (e.g. ambulance, fire truck, truck, etc.) • Back-up Power • Solar • Telecom/Datacom 		SP	New Released Pure Sine Wave Inverter	<ul style="list-style-type: none"> • New generation pure sine wave inverter • High efficiency and power density • Selectable AC Output voltage, Output Frequency (50/60Hz), via DIP switch • Selectable Power saving function • Robust aluminum case • Wide operation temperature range 	P.4											●	●	●	●	●	●	●	
		SD	Parallelable Pure Sine Wave Inverter with AC Bypass Function	<ul style="list-style-type: none"> • Parallel connection redundancy design for power expansion • Automatic master mechanism to eliminate single point failure and optimize reliability • Inverter with ATS and AC circuit breaker (built-in transfer switch) 	P.16															●	●		
		SE	Pure Sine Wave Inverter	<ul style="list-style-type: none"> • Selectable AC Output voltage, Output Frequency (50/60Hz) and Power saving function (via DIP switch) 	P.20			●		●													
		S	Pure Sine Wave Inverter	<ul style="list-style-type: none"> • Capable of driving high reactive and capacitive loads 	P.24		●		●				●					●					
Telecom / Datacom		SR	Rack Mount Pure Sine Wave Inverter	<ul style="list-style-type: none"> • 19" mounting shelf design • Stable AC output power for telecom, datacom • Modular hot swappable design (SR-1600) with N+1 redundancy 	P.32												●	○		●			
<ul style="list-style-type: none"> • Mobile Caravan / RV / Martine / Special Vehicles (e.g. ambulance, fire truck, truck, etc.) • Back-up Power • Solar • Telecom / Datacom 	Coming Soon	SL	Low Frequency Inverter / Charger	<ul style="list-style-type: none"> • Low frequency inverter charger • All in one with various operation mode: Charger, Inverter, Power sharing, Generator function • 3 stage charging mode • Built-in bypass switch 	P.36																	○	
	Coming Soon	SC	High Frequency Inverter / Charger	<ul style="list-style-type: none"> • High frequency inverter charger • Various operation mode: Charger, Inverter, Power sharing, Generator function • 3 stage charging mode • Built-in bypass switch 	P.38																	○	○

○ = Coming Soon

Advanced Battery Charger

Application	Photo	Series	Features	Page	Wattages																		
					100	150	200	300	350	400	500	600	700	950	1000	1200	1500	1600	2000	2500	3000	3500	4000
Caravan, recreational vehicles, marine and off grid solar system		CX	<ul style="list-style-type: none"> • Built-in Engine Start Battery (ESB) output • 3-stage charging mode • Green design (sleep mode): charging with low audible noise 	P.42			●	●	●	●			●		●								

Accessories

Application	Photo	Series	Features	Page	Series												
					SP	SD	S1500	SR-1600	CX	SL	SC						
Transfer switch for COTEK SP series		TR	<ul style="list-style-type: none"> • Low power consumption <1.4W • Switching current up to 40 amps • High transfer speed 	P.46	●												
Remote control for COTEK Inverter & Charger series		CR	<ul style="list-style-type: none"> • Remote control for COTEK SP, SD, SE, S, SL, SC & CX series 	P.47	CR-8, CR-16A	CR-6, CR-8, CR-10	CR-5	—	CR-1	CR-16B, CR-20*	CR-16B, CR-20*						
Rack for SR-1600		SR	<ul style="list-style-type: none"> • 19" 2U high rack mount shelf (Max. 4 hot-pluggable modules) 	P.47						●							

* = Coming Soon

Features

- Pure sine wave output
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Temperature & load controlled cooling fan
- User friendly interface
- Output frequency (50 / 60 Hz) selectable by DIP switch
- Output voltage DIP switch selectable
- Power saving mode by variable resistor
- 3-color LED status indicators
- Input protection : Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection : Short Circuit / Overload / Over Temperature
- E13 / UL / CE / FCC approved



MODEL	SP-700-112	SP-700-124	SP-700-148	SP-700-212	SP-700-224	SP-700-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC (Dip Switch Selectable)			200 / 220 / 230 / 240 VAC (Dip Switch Selectable)		
	AC Regulation	± 5%			± 3%		
	Rated Power	700W (VA)					
	Surge Power (1 Sec.)	<1230W (VA)					
	Maximum Output Power (1 Min.)	>700W (VA)~810W (VA) (100%~115%)					
	Output Waveform	Pure Sine Wave (THD<5% @ Normal Load ①)			Pure Sine Wave (THD<3% @ Normal Load ②)		
	Frequency	50 / 60 Hz ± 0.5% (Dip Switch Selectable)					
Input	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~16.5VDC	21~33VDC	42~66VDC	10.5~16.5VDC	21~33VDC	42~66VDC
	No Load Current	≤1.5A@12VDC	≤0.8A@24VDC	≤0.5A@48VDC	≤1.5A@12VDC	≤0.8A@24VDC	≤0.5A@48VDC
	Power Saving Mode	<0.1A@12VDC	<0.06A@24VDC	<0.05A@48VDC	<0.1A@12VDC	<0.06A@24VDC	<0.05A@48VDC
	Efficiency (Max.)	91%	93%	93%	91%	93%	94%
Protection	Input Under-Voltage Protection	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC
	Input Under-Voltage Alarm	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC
	Input Under-Voltage Recovery	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC
	Input Over-Voltage Protection	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC
	Input Over-Voltage Recovery	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC
	Output Overload	Shutdown output voltage, restart to recovery					
	Output Short	Shutdown output voltage, restart to recovery					
	Over Temperature	Heat sink temperature over 80°C ± 5°C, shutdown output voltage, recover automatically after heat sink temperature goes down to 60°C ± 5°C					
	DC input Reverse Polarity	By Fuse					

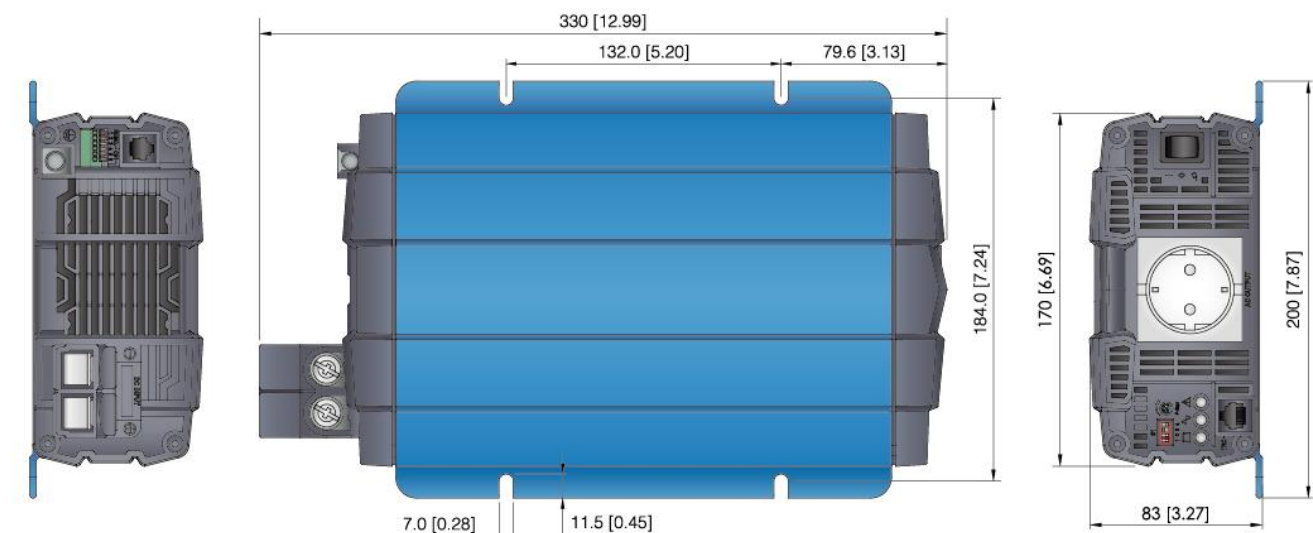
① Normal Condition : Vin=12.5V / 25V / 50V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)

② Normal Condition : Vin=12.5V / 25V / 50V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)

MODEL	SP-700-112	SP-700-124	SP-700-148	SP-700-212	SP-700-224	SP-700-248	
Environment	Working Temp.	-20°C ~ 40°C					
	Storage Temp.	-30°C ~ 70°C					
	Storage Temp. & Humidity	10 ~ 95 % RH					
Safety & EMC	Safety Standards	Certified UL 458 (UL only for GFCI receptacles)	----	Certified EN 60950-1			
	EMC Standards	Certified FCC class B			Certified EN 55022 class B; EN 55024 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11		
	E-mark	----			Certified CISPR 25; ISO 7637-2		
Control & Signal	Accessory (Optional)	Remote Control : CR-8 / CR-16A; Transfer Switch : TR-40 (Refer to page 46)					
	LED Indicator	Input voltage level, output load level and faulty status					
	Dry Contact Terminal	By relay					
	Remote Control Terminal	6-port green terminal					
Other	Dimension (WxHxD)	200x83x330 mm / 7.87x3.27x12.99 inch					
	Packing	2.6kg; 6pcs / 16.6kg / 3.59CUFT					
	Cooling	Temperature & load controlled cooling fan					
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.					
	Socket Type	North America (GFCI)		North America (NEMA 5-15R)		Continental European (SCHUKO)	

Mechanical Drawings

Unit: mm [inch]



Features

- Pure sine wave output
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Temperature & load controlled cooling fan
- User friendly interface
- Output frequency (50 / 60 Hz) selectable by DIP switch
- Output voltage DIP switch selectable
- Power saving mode by variable resistor
- 3-color LED status indicators
- Input protection : Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection : Short Circuit / Overload / Over Temperature
- E13 / UL / CE / FCC approved



MODEL	SP-1000-112	SP-1000-124	SP-1000-148	SP-1000-212	SP-1000-224	SP-1000-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC (Dip Switch Selectable)			200 / 220 / 230 / 240 VAC (Dip Switch Selectable)		
	AC Regulation	± 5%			± 3%		
	Rated Power	1000W (VA)					
	Surge Power (1 Sec.)	<1750W (VA)					
	Maximum Output Power (1 Min.)	>1000W (VA)~1150W (VA) (100%~115%)					
	Output Waveform	Pure Sine Wave (THD<5% @ Normal Load ①)			Pure Sine Wave (THD<3% @ Normal Load ②)		
Frequency	50 / 60 Hz ± 0.5% (Dip Switch Selectable)						
Input	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~16.5VDC	21~33VDC	42~66VDC	10.5~16.5VDC	21~33VDC	42~66VDC
	No Load Current	≤1.5A@12VDC	≤0.8A@24VDC	≤0.5A@48VDC	≤1.5A@12VDC	≤0.8A@24VDC	≤0.4A@48VDC
	Power Saving Mode	<0.1A@12VDC	<0.06A@24VDC	<0.05A@48VDC	<0.1A@12VDC	<0.05A@24VDC	<0.05A@48VDC
	Efficiency (Max.)	92%	93%	93%	92%	94%	94%
Protection	Input Under-Voltage Protection	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC
	Input Under-Voltage Alarm	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC
	Input Under-Voltage Recovery	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC
	Input Over-Voltage Protection	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC
	Input Over-Voltage Recovery	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC
	Output Overload	Shutdown output voltage, restart to recovery					
	Output Short	Shutdown output voltage, restart to recovery					
	Over Temperature	Heat sink temperature over 80°C ± 5°C, shutdown output voltage, recover automatically after heat sink temperature goes down to 60°C ± 5°C					
	DC input Reverse Polarity	By Fuse					

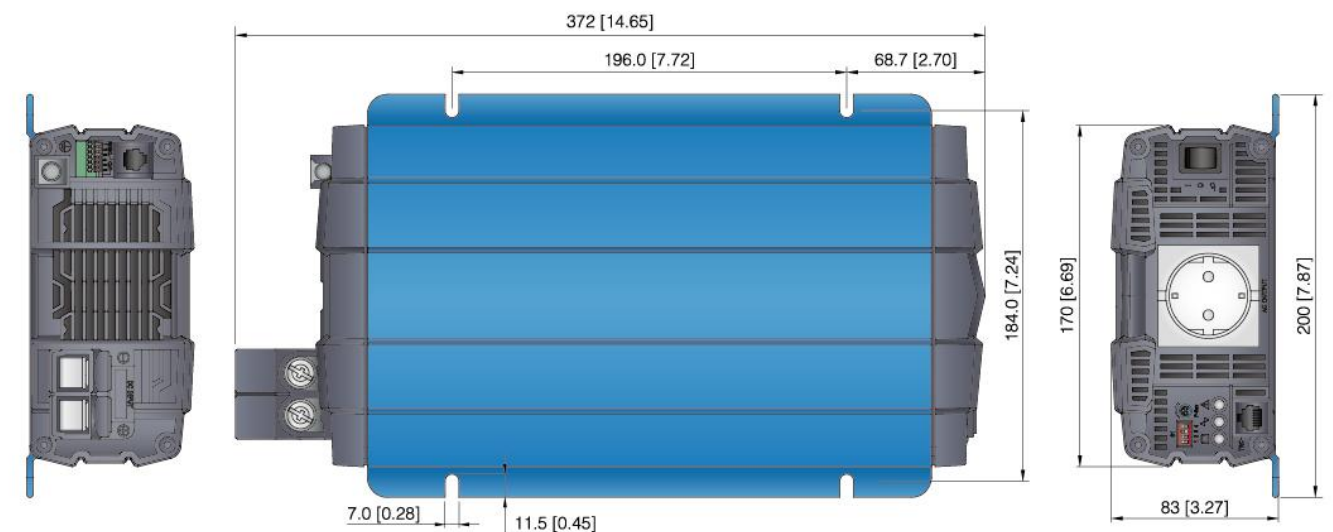
① Normal Condition : Vin=12.5V / 25V / 50V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)

② Normal Condition : Vin=12.5V / 25V / 50V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)

MODEL	SP-1000-112	SP-1000-124	SP-1000-148	SP-1000-212	SP-1000-224	SP-1000-248	
Environment	Working Temp.	-20°C ~ 40°C					
	Storage Temp.	-30°C ~ 70°C					
	Storage Temp. & Humidity	10 ~ 95 % RH					
Safety & EMC	Safety Standards	Certified UL 458 (UL only for GFCI receptacles)		----	Certified EN 60950-1		
	EMC Standards	Certified FCC class B			Certified EN 55022 class B; EN 55024 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11		
	E-mark	----		Certified CISPR 25; ISO 7637-2			
Control & Signal	Accessory (Optional)	Remote Control : CR-8 / CR-16A; Transfer Switch : TR-40 (Refer to page 46)					
	LED Indicator	Input voltage level, output load level and faulty status					
	Dry Contact Terminal	By relay					
	Remote Control Terminal	6-port green terminal					
Other	Dimension (WxHxD)	200x83x372 mm / 7.87x3.27x14.65 inch					
	Packing	3.26kg; 4pcs / 14kg / 2.65CUFT					
	Cooling	Temperature & load controlled cooling fan					
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.					
	Socket Type	North America (GFCI)		North America (NEMA 5-15R)		Continental European (SCHUKO)	

Mechanical Drawings

Unit: mm [inch]



Features

- Pure sine wave output
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Temperature & load controlled cooling fan
- User friendly interface
- Output frequency (50 / 60 Hz) selectable by DIP switch
- Output voltage DIP switch selectable
- Power saving mode by variable resistor
- 3-color LED status indicators
- Input protection : Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection : Short Circuit / Overload / Over Temperature
- E13 / UL / CE / FCC approved



MODEL	SP-1500-112	SP-1500-124	SP-1500-148	SP-1500-212	SP-1500-224	SP-1500-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC (Dip Switch Selectable)			200 / 220 / 230 / 240 VAC (Dip Switch Selectable)		
	AC Regulation	± 5%			± 3%		
	Rated Power	1500W (VA)					
	Surge Power (1 Sec.)	<2650W (VA)					
	Maximum Output Power (1 Min.)	>1500W (VA)~1730W (VA) (100%~115%)					
	Output Waveform	Pure Sine Wave (THD<5% @ Normal Load ①)			Pure Sine Wave (THD<3% @ Normal Load ②)		
	Frequency	50 / 60 Hz ± 0.5% (Dip Switch Selectable)					
Input	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5-16.5VDC	21-33VDC	42-66VDC	10.5-16.5VDC	21-33VDC	42-66VDC
	No Load Current	≤1.8A@12VDC	≤1.0A@24VDC	≤0.5A@48VDC	≤1.8A@12VDC	≤1.0A@24VDC	≤0.5A@48VDC
	Power Saving Mode	<0.1A@12VDC	<0.05A@24VDC	<0.05A@48VDC	<0.1A@12VDC	<0.05A@24VDC	<0.05A@48VDC
	Efficiency (Max.)	91%	92%	93%	93%	94%	94%
Protection	Input Under-Voltage Protection	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC
	Input Under-Voltage Alarm	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC
	Input Under-Voltage Recovery	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC
	Input Over-Voltage Protection	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC
	Input Over-Voltage Recovery	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC
	Output Overload	Shutdown output voltage, restart to recovery					
	Output Short	Shutdown output voltage, restart to recovery					
	Over Temperature	Heat sink temperature over 80°C ± 5°C, shutdown output voltage, recover automatically after heat sink temperature goes down to 60°C ± 5°C					
	DC input Reverse Polarity	By Fuse					

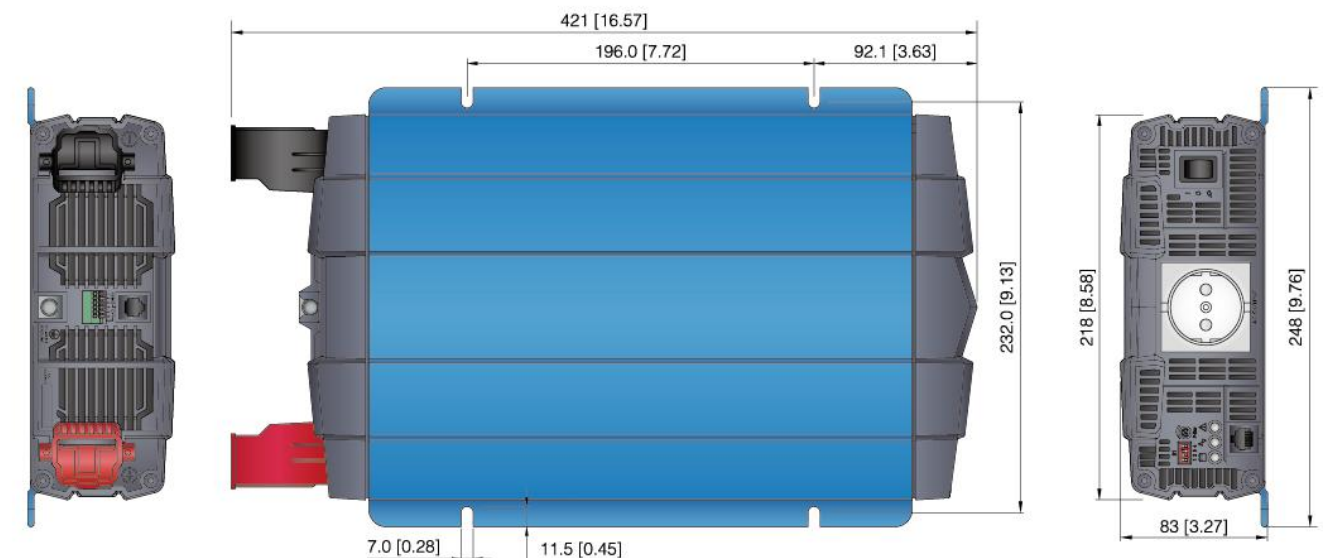
① Normal Condition : Vin=12.5V / 25V / 50V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)

② Normal Condition : Vin=12.5V / 25V / 50V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)

MODEL	SP-1500-112	SP-1500-124	SP-1500-148	SP-1500-212	SP-1500-224	SP-1500-248	
Environment	Working Temp.	-20°C ~ 40°C					
	Storage Temp.	-30°C ~ 70°C					
	Storage Temp. & Humidity	10 ~ 95 % RH					
Safety & EMC	Safety Standards	Certified UL 458 (UL only for GFCI receptacles)		----	Certified EN 60950-1		
	EMC Standards	Certified FCC class B			Certified EN 55022 class B; EN 55024 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11		
	E-mark	----		Certified CISPR 25; ISO 7637-2			
Control & Signal	Accessory (Optional)	Remote Control : CR-8 / CR-16A; Transfer Switch : TR-40 (Refer to page 46)					
	LED Indicator	Input voltage level, output load level and faulty status					
	Dry Contact Terminal	By relay					
	Remote Control Terminal	6-port green terminal					
Other	Dimension (WxHxD)	248x83x421 mm / 9.76x3.27x16.57 inch					
	Packing	4.14kg; 4pcs / 17.56kg / 3.58CUFT					
	Cooling	Temperature & load controlled cooling fan					
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.					
	Socket Type	North America (GFCI)		North America (NEMA 5-20R)		Continental European (SCHUKO)	

Mechanical Drawings

Unit: mm [inch]



Features

- Pure sine wave output
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Temperature & load controlled cooling fan
- User friendly interface
- Output frequency (50 / 60 Hz) selectable by DIP switch
- Output voltage DIP switch selectable
- Power saving mode by variable resistor
- 3-color LED status indicators
- Input protection : Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection : Short Circuit / Overload / Over Temperature
- E13 / UL / CE / FCC approved



MODEL	SP-2000-112	SP-2000-124	SP-2000-148	SP-2000-212	SP-2000-224	SP-2000-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC (Dip Switch Selectable)			200 / 220 / 230 / 240 VAC (Dip Switch Selectable)		
	AC Regulation	± 5%			± 3%		
	Rated Power	2000W (VA)					
	Surge Power (1 Sec.)	<3500W (VA)					
	Maximum Output Power (1 Min.)	>2000W (VA)~2300W (VA) (100%~115%)					
	Output Waveform	Pure Sine Wave (THD<5% @ Normal Load ^①)			Pure Sine Wave (THD<3% @ Normal Load ^②)		
	Frequency	50 / 60 Hz ± 0.5% (Dip Switch Selectable)					
Input	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~16.5VDC	21~33VDC	42~66VDC	10.5~16.5VDC	21~33VDC	42~66VDC
	No Load Current	≤1.8A@12VDC	≤1.0A@24VDC	≤0.5A@48VDC	≤1.8A@12VDC	≤1.0A@24VDC	≤0.5A@48VDC
	Power Saving Mode	<0.1A@12VDC	<0.05A@24VDC	<0.05A@48VDC	<0.1A@12VDC	<0.05A@24VDC	<0.05A@48VDC
	Efficiency (Max.)	92%	93%	94%	94%	94%	95%
Protection	Input Under-Voltage Protection	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC
	Input Under-Voltage Alarm	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC
	Input Under-Voltage Recovery	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC
	Input Over-Voltage Protection	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC
	Input Over-Voltage Recovery	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC
	Output Overload	Shutdown output voltage, restart to recovery					
	Output Short	Shutdown output voltage, restart to recovery					
	Over Temperature	Heat sink temperature over 80°C ± 5°C, shutdown output voltage, recover automatically after heat sink temperature goes down to 60°C ± 5°C					
	DC input Reverse Polarity	By Fuse					

① Normal Condition : Vin=12.5V / 25V / 50V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)

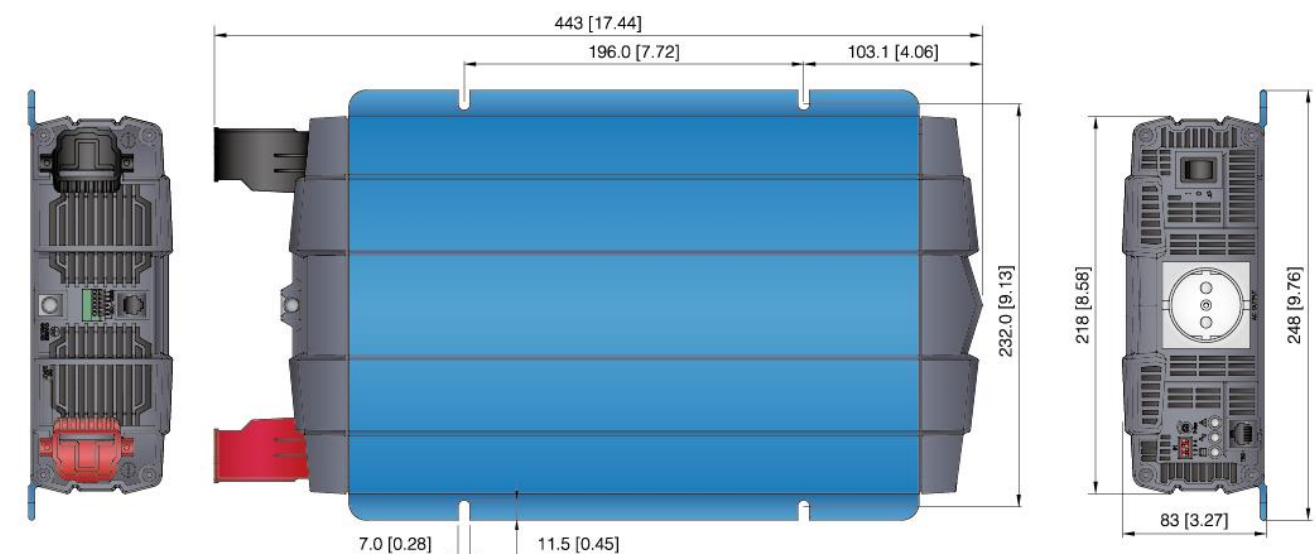
② Normal Condition : Vin=12.5V / 25V / 50V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)

MODEL	SP-2000-112	SP-2000-124	SP-2000-148	SP-2000-212	SP-2000-224	SP-2000-248	
Environment	Working Temp.	-20°C ~ 40°C					
	Storage Temp.	-30°C ~ 70°C					
	Storage Temp. & Humidity	10 ~ 95 % RH					
Safety & EMC	Safety Standards	Certified UL 458 (UL only for GFCI receptacles)		----	Certified EN 60950-1		
	EMC Standards	Certified FCC class A ^③			Certified EN 55022 class A ^③ ; EN 55024 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11		
	E-mark	----		Certified CISPR 25; ISO 7637-2			
Control & Signal	Accessory (Optional)	Remote Control : CR-8 / CR-16A; Transfer Switch : TR-40 (Refer to page 46)					
	LED Indicator	Input voltage level, output load level and faulty status					
	Dry Contact Terminal	By relay					
	Remote Control Terminal	6-port green terminal					
Other	Dimension (WxHxD)	248x83x443 mm / 9.76x3.27x17.44 inch					
	Packing	5.24kg; 4pcs / 21.96kg / 3.58CUFT					
	Cooling	Temperature & load controlled cooling fan					
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.					
	Socket Type	North America (GFCI)		North America (NEMA 5-20R)		Continental European (SCHUKO)	

③ Warning : This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Mechanical Drawings

Unit: mm [inch]



Features

- Pure sine wave output
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Temperature & load controlled cooling fan
- User friendly interface
- Output frequency (50 / 60 Hz) selectable by DIP switch
- Output voltage DIP switch selectable
- Power saving mode by variable resistor
- 3-color LED status indicators
- Input protection : Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection : Short Circuit / Overload / Over Temperature
- E13 / UL / CE / FCC approved



MODEL	SP-3000-112	SP-3000-124	SP-3000-148	SP-3000-212	SP-3000-224	SP-3000-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC (Dip Switch Selectable)			200 / 220 / 230 / 240 VAC (Dip Switch Selectable)		
	AC Regulation	± 5%			± 3%		
	Rated Power	3000W (VA)					
	Surge Power (1 Sec.)	<6000W (VA)					
	Maximum Output Power (1 Min.)	>3000W (VA)~3450W (VA) (100%~115%)					
	Output Waveform	Pure Sine Wave (THD<5% @ Normal Load ①)			Pure Sine Wave (THD<3% @ Normal Load ②)		
Frequency	50 / 60 Hz ± 0.5% (Dip Switch Selectable)						
Input	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~16.5VDC	21~33VDC	42~66VDC	10.5~16.5VDC	21~33VDC	42~66VDC
	No Load Current	≤3.8A@12VDC	≤2.0A@24VDC	≤1.0A@48VDC	≤3.8A@12VDC	≤2.0A@24VDC	≤1.0A@48VDC
	Power Saving Mode	<0.4A@12VDC	<0.2A@24VDC	<0.1A@48VDC	<0.4A@12VDC	<0.2A@24VDC	<0.1A@48VDC
	Efficiency (Max.)	90%	91%	92%	90%	93%	94%
Protection	Input Under-Voltage Protection	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC	10.5 ± 0.3VDC	21 ± 0.5VDC	42 ± 1.0VDC
	Input Under-Voltage Alarm	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC	11.0 ± 0.3VDC	22 ± 0.5VDC	44 ± 1.0VDC
	Input Under-Voltage Recovery	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC	12.5 ± 0.3VDC	25 ± 0.5VDC	50 ± 1.0VDC
	Input Over-Voltage Protection	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC	16.5 ± 0.3VDC	33 ± 0.5VDC	66 ± 1.0VDC
	Input Over-Voltage Recovery	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC	14.5 ± 0.3VDC	29 ± 0.5VDC	58 ± 1.0VDC
	Output Overload	Shutdown output voltage, restart to recovery					
	Output Short	Shutdown output voltage, restart to recovery					
	Over Temperature	Heat sink temperature over 80°C ± 5°C, shutdown output voltage, recover automatically after heat sink temperature goes down to 60°C ± 5°C					
	DC input Reverse Polarity	By Fuse					

① Normal Condition : Vin=12.5V / 25V / 50V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)

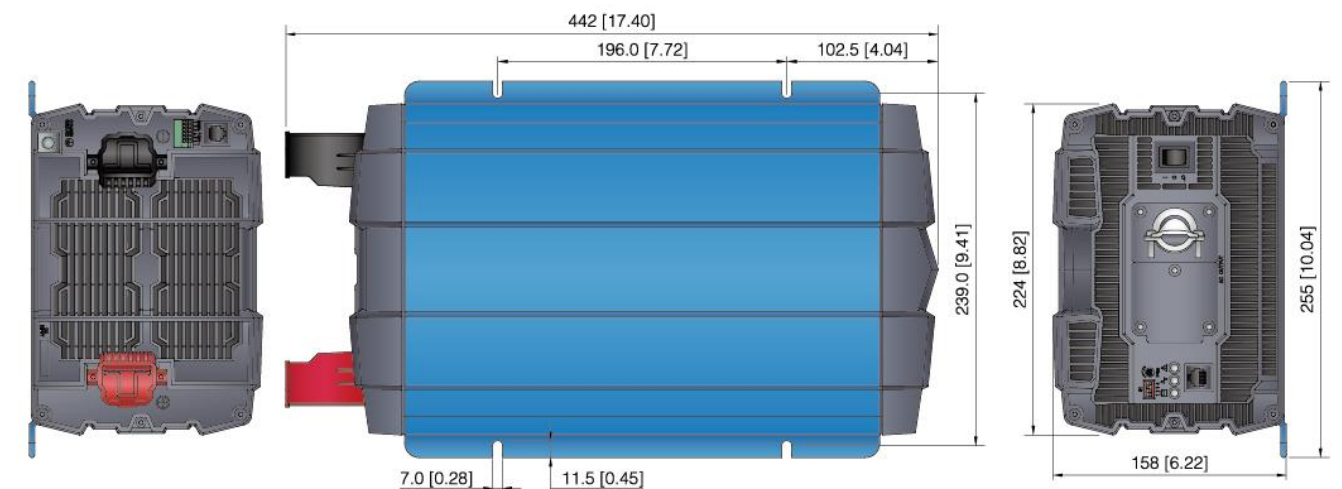
② Normal Condition : Vin=12.5V / 25V / 50V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)

MODEL	SP-3000-112	SP-3000-124	SP-3000-148	SP-3000-212	SP-3000-224	SP-3000-248	
Environment	Working Temp.	-20°C ~ 40°C					
	Storage Temp.	-30°C ~ 70°C					
	Storage Temp. & Humidity	10 ~ 95 % RH					
Safety & EMC	Safety Standards	Certified UL 458		-----		Certified EN 60950-1	
	EMC Standards	Certified FCC class A ③			Certified EN 55022 class A ③; EN 55024 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11		
	E-mark	-----		Certified CISPR 25; ISO 7637-2			
Control & Signal	Accessory (Optional)	Remote Control : CR-8 / CR-16A; Transfer Switch : TR-40 (Refer to page 46)					
	LED Indicator	Input voltage level, output load level and faulty status					
	Dry Contact Terminal	By relay					
	Remote Control Terminal	6-port green terminal					
Other	Dimension (WxHxD)	255x158x442 mm / 10.04x6.22x17.40 inch					
	Packing	8.2kg; 2pcs / 17.4kg / 3.05CUFT					
	Cooling	Temperature & load controlled cooling fan					
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.					
	Socket Type	 Hard Wire		 Continental European (SCHUKO) Australia / New Zealand United Kingdom Universal France Connector Hard Wire			

③ Warning : This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Mechanical Drawings

Unit: mm [inch]



Features


- Pure sine wave output
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Temperature & load controlled cooling fan
- User friendly interface
- Output frequency (50 / 60 Hz) selectable by DIP switch
- Output voltage DIP switch selectable
- Power saving mode by variable resistor
- 3-color LED status indicators
- Input protection : Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection : Short Circuit / Overload / Over Temperature
- E13 / UL / CE / FCC approved



MODEL	SP-4000-124	SP-4000-148	SP-4000-224	SP-4000-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC (Dip Switch Selectable)		200 / 220 / 230 / 240 VAC (Dip Switch Selectable)	
	AC Regulation	± 5%		± 3%	
	Rated Power	4000W (VA)			
	Surge Power (1 Sec.)	<8000W (VA)			
	Maximum Output Power (1 Min.)	>4000W (VA)~4600W (VA) (100%~115%)			
	Output Waveform	Pure Sine Wave (THD<5% @ Normal Load ①)		Pure Sine Wave (THD<3% @ Normal Load ②)	
Frequency	50 / 60 Hz ± 0.5% (Dip Switch Selectable)				
Input	DC Voltage	24VDC	48VDC	24VDC	48VDC
	Voltage Range	21~33VDC	42~66VDC	21~33VDC	42~66VDC
	No Load Current	≤2.0A@24VDC	≤1.0A@48VDC	≤2.0A@24VDC	≤1.0A@48VDC
	Power Saving Mode	<0.2A@24VDC	<0.1A@48VDC	<0.2A@24VDC	<0.1A@48VDC
	Efficiency (Max.)	91%	91%	90%	91%
Protection	Input Under-Voltage Protection	21 ± 0.5VDC	42 ± 1.0VDC	21 ± 0.5VDC	42 ± 1.0VDC
	Input Under-Voltage Alarm	22 ± 0.5VDC	44 ± 1.0VDC	22 ± 0.5VDC	44 ± 1.0VDC
	Input Under-Voltage Recovery	25 ± 0.5VDC	50 ± 1.0VDC	25 ± 0.5VDC	50 ± 1.0VDC
	Input Over-Voltage Protection	33 ± 0.5VDC	66 ± 1.0VDC	33 ± 0.5VDC	66 ± 1.0VDC
	Input Over-Voltage Recovery	29 ± 0.5VDC	58 ± 1.0VDC	29 ± 0.5VDC	58 ± 1.0VDC
	Output Overload	Shutdown output voltage, restart to recovery			
	Output Short	Shutdown output voltage, restart to recovery			
	Over Temperature	Heat sink temperature over 80°C ± 5°C, shutdown output voltage, recover automatically after heat sink temperature goes down to 60°C ± 5°C			
	DC input Reverse Polarity	By Fuse			

① Normal Condition : Vin=12.5V / 25V / 50V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)

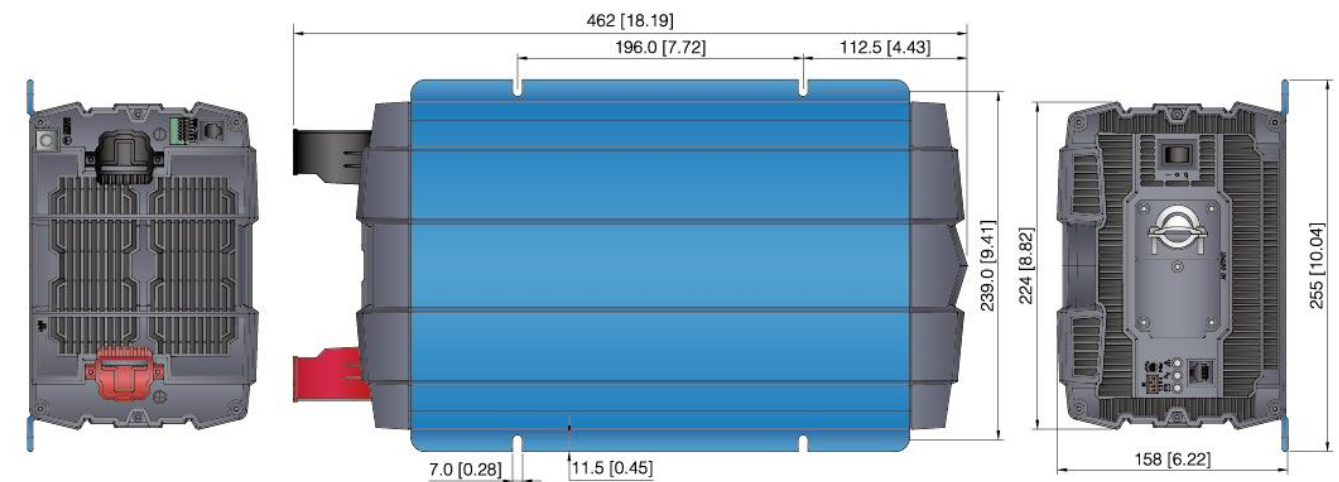
② Normal Condition : Vin=12.5V / 25V / 50V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)

MODEL	SP-4000-124	SP-4000-148	SP-4000-224	SP-4000-248	
Environment	Working Temp.	-20°C ~ 40°C			
	Storage Temp.	-30°C ~ 70°C			
	Storage Temp. & Humidity	10 ~ 95 % RH			
Safety & EMC	Safety Standards	Certified UL 458	----	Certified EN 60950-1	
	EMC Standards	Certified FCC class A ③		Certified EN 55022 class A ③; EN 55024 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11	
	E-mark	----		Certified CISPR 25; ISO 7637-2	
Control & Signal	Accessory (Optional)	Remote Control : CR-8 / CR-16A; Transfer Switch : TR-40 (Refer to page 46)			
	LED Indicator	Input voltage level, output load level and faulty status			
	Dry Contact Terminal	By relay			
	Remote Control Terminal	6-port green terminal			
Other	Dimension (WxHxD)	255x158x462 mm / 10.04x6.22x18.19 inch			
	Packing	10kg; 2pcs / 21kg / 3.05CUFT			
	Cooling	Temperature & load controlled cooling fan			
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.			
	Socket Type	 Hard Wire			

③ Warning : This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Mechanical Drawings

Unit: mm [inch]



Features

- Parallel redundancy design for power expansion
- 1Φ / 3Φ for multiple industrial applications
- Built-in ATS and AC circuit breaker
- Selectable output voltage and output frequency
- Optional STS module, transfer time less than 4ms.
- RS-232 communication interface
- Input & output fully isolation
- Output voltage / power saving mode selectable by DIP switch or remote control (via CR-10)
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Overload / Over Temperature / Over Voltage
- E13 / UL / CE / FCC approved



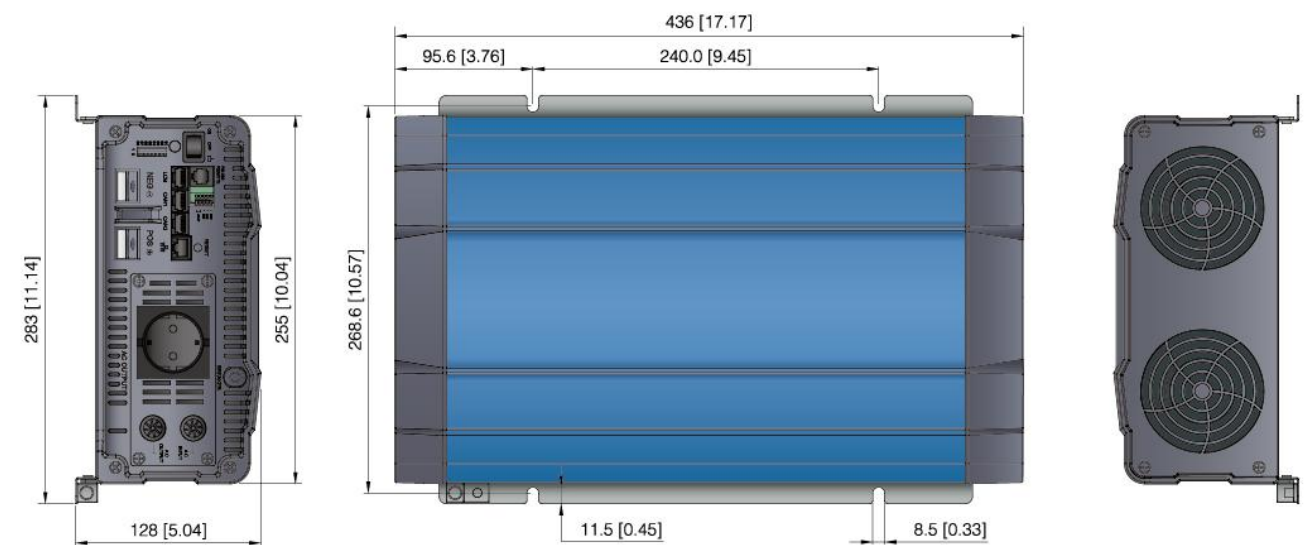
MODEL	SD2500-112	SD2500-124	SD2500-148	SD2500-212	SD2500-224	SD2500-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC			200 / 220 / 230 / 240 VAC		
	AC Regulation	± 3%			± 3%		
	Rated Power	2500W (de-rating after 40°C, refer to de-rating curve)					
	Peak Power (3 Sec.)	3000W					
	Surge Power (<0.2 Sec.)	4000W					
	Output Waveform	Pure Sine Wave					
	Frequency	50 / 60 Hz ± 0.1%					
DC Input	Total Harmonic Distortion (THD)	<3% @ under condition: greater than 1.15 times of the rated VDC, 110V / linear load			<3% @ under condition: greater than 1.15 times of the rated VDC, 230V / linear load		
	Efficiency (Max.)	88%	89%	90%	88%	88%	90%
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10~16VDC	20~32VDC	40~64VDC	10~16VDC	20~32VDC	40~64VDC
	No Load Power Consumption	@12VDC	@24VDC	@48VDC	@12VDC	@24VDC	@48VDC
	On Mode@Save Mode	0.9A	0.35A	0.3A	1.1A	0.7A	0.4A
	On Mode@No Load Mode	<2.9A	<1.4A	<0.8A	<3.6A	<1.8A	<1A
Fuse	40Ax9	20Ax9	15Ax6	40Ax9	20Ax9	15Ax6	
AC Input	AC Range	100 / 110 / 115 / 120VAC ± 25%, recover ± 12.5%			200 / 220 / 230 / 240VAC ± 25%, recover ± 12.5%		
	Frequency Selectable	50 / 60 Hz					
	Synchronous Frequency	47~57 / 53~63 Hz					
	Circuit Breaker	35A			20A		
	Transfer Switch	Standard ATS: Inverter to utility AC: 8-10ms.; utility AC to inverter: 16-50ms. Optional STS module: <4ms.					
Protection	BAT. Low Alarm ± 3%	10.5VDC	21VDC	42VDC	10.5VDC	21VDC	42VDC
	BAT. Low Shutdown ± 3%	10VDC	20VDC	40VDC	10VDC	20VDC	40VDC
	BAT. Low Restart ± 3%	12.5VDC	25VDC	50VDC	12.5VDC	25VDC	50VDC

MODEL	SD2500-112	SD2500-124	SD2500-148	SD2500-212	SD2500-224	SD2500-248	
Protection	BAT. High Alarm ± 3%	15.5VDC	31VDC	62VDC	15.5VDC	31VDC	62VDC
	BAT. High Shutdown ± 3%	16VDC	32VDC	64VDC	16VDC	32VDC	64VDC
	BAT. High Restart ± 3%	15VDC	30VDC	60VDC	15VDC	30VDC	60VDC
	Input Protection	Reverse Polarity (Fuse) / Under Voltage / Over Voltage / AC Over Current (Breaker)					
	Output Protection	Short Circuit / Overload / Over Temperature / Over Voltage					
Environment	Working Temp.	-20°C ~ 60°C, refer to power de-rating curve					
	Storage Temp.	-40°C ~ 70°C					
	Relative Humidity	Max. 90%, non-condensing					
Safety & EMC	Safety Standards	Certified UL 458 (UL only for hard wire)		----	Certified EN 60950-1		
	EMC Standards	Certified FCC class B		----	Certified EN 55014-1 ^① ; EN 55014-2 ^① EN 61000-3-2, -3-3; EN 61204-3 EN 61000-6-1, -6-2, -6-3, -6-4 IEC 61000-4-2, 3, 4, 5, 6, 11		
	E-mark	----		----	Certified CISPR 25; ISO 7637-2		
Control & Signal	Remote Control (Optional)	CR-6 / CR-8 / CR-10					
	LED Indicator	Input voltage level, faulty status					
Other	Dimension (WxHxD)	283x128x436 mm / 11.14x5.04x17.17 inch					
	Packing	8kg; 2pcs / 17kg / 2.86CUFT					
	Cooling	Load & thermal control fan					
	Communication Port	RS-232 (RJ-11 type connector), Ethernet (Optional)					
	Socket Type	North America (GFCI)		North America (NEMA 5-15R)		Hard Wire	
	Continental European (SCHUKO)		Australia / New Zealand		United Kingdom		

① EN55014-1, EN55014-2 Class B : Output cable less than 2 meters.

Mechanical Drawings

Unit: mm [inch]



Features

- Parallel redundancy design for power expansion
- 1Φ / 3Φ for multiple industrial applications
- Built-in ATS and AC circuit breaker
- Selectable output voltage and output frequency
- Optional STS module, transfer time less than 4ms.
- RS-232 communication interface
- Input & output fully isolation
- Output voltage / power saving mode selectable by DIP switch or remote control (via CR-10)
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Overload / Over Temperature / Over Voltage
- E13 / UL / CE / FCC approved



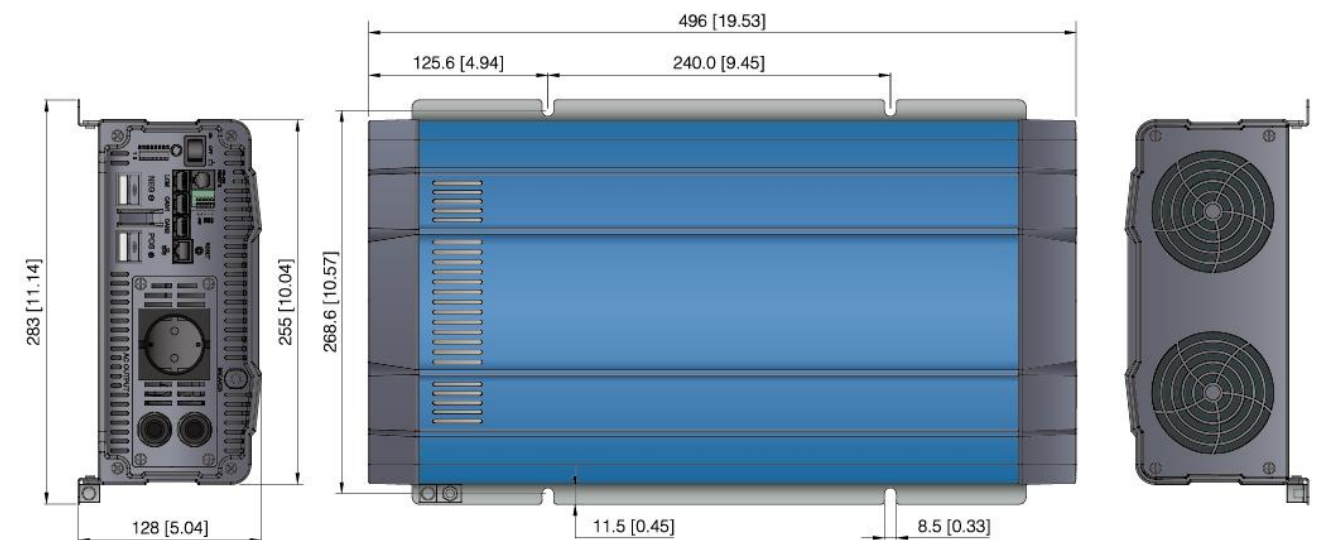
MODEL	SD3500-112	SD3500-124	SD3500-148	SD3500-212	SD3500-224	SD3500-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC			200 / 220 / 230 / 240 VAC		
	AC Regulation	± 3%			± 3%		
	Rated Power	3500W (de-rating after 35°C, refer to de-rating curve for 12V) (de-rating after 40°C, refer to de-rating curve for 24V and 48V)					
	Peak Power (3 Sec.)	4500W					
	Surge Power (<0.2 Sec.)	6000W					
	Output Waveform	Pure Sine Wave					
	Frequency	50 / 60 Hz ± 0.1%					
	Total Harmonic Distortion (THD)	<3% @ under condition: greater than 1.15 times of the rated VDC, 110V / linear load			<3% @ under condition: greater than 1.15 times of the rated VDC, 230V / linear load		
DC Input	Efficiency (Max.)	90%	90%	91%	90%	91%	
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10~16VDC	20~32VDC	40~64VDC	10~16VDC	20~32VDC	40~64VDC
	No Load Power Consumption	@12VDC	@24VDC	@48VDC	@12VDC	@24VDC	@48VDC
	On Mode@Save Mode	1.4A	0.5A	0.5A	1.4A	0.5A	0.5A
	On Mode@No Load Mode	<2.9A	<1.4A	<0.8A	<3.6A	<1.8A	<1A
Fuse	40Ax12	20Ax12	20Ax6	40Ax12	20Ax12	20Ax6	
AC Input	AC Range	100 / 110 / 115 / 120VAC ± 25%, recover ± 12.5%			200 / 220 / 230 / 240VAC ± 25%, recover ± 12.5%		
	Frequency Selectable	50 / 60 Hz					
	Synchronous Frequency	47~57 / 53~63 Hz					
	Circuit Breaker	35A			20A		
Transfer Switch	Standard ATS: Inverter to utility AC: 8-10ms.; utility AC to inverter: 16-50ms. Optional STS module: <4ms.						
Protection	BAT. Low Alarm ± 3%	10.5VDC	21VDC	42VDC	10.5VDC	21VDC	
	BAT. Low Shutdown ± 3%	10VDC	20VDC	40VDC	10VDC	20VDC	
	BAT. Low Restart ± 3%	12.5VDC	25VDC	50VDC	12.5VDC	25VDC	

MODEL	SD3500-112	SD3500-124	SD3500-148	SD3500-212	SD3500-224	SD3500-248	
Protection	BAT. High Alarm ± 3%	15.5VDC	31VDC	62VDC	15.5VDC	31VDC	
	BAT. High Shutdown ± 3%	16VDC	32VDC	64VDC	16VDC	32VDC	
	BAT. High Restart ± 3%	15VDC	30VDC	60VDC	15VDC	30VDC	
Environment	Input Protection	Reverse Polarity (Fuse) / Under Voltage / Over Voltage / AC Over Current (Breaker)					
	Output Protection	Short Circuit / Overload / Over Temperature / Over Voltage					
Safety & EMC	Working Temp.	-20°C ~ 60°C, refer to power de-rating curve					
	Storage Temp.	-40°C ~ 70°C					
	Relative Humidity	Max. 90%, non-condensing					
Control & Signal	Safety Standards	Certified UL 458 (UL only for hard wire)		----	Certified EN 60950-1		
	EMC Standards	Certified FCC class B		----	Certified EN 55014-1 ^① ; EN 55014-2 ^① EN 61000-3-2, -3-3; EN 61204-3 EN 61000-6-1, -6-2, -6-3, -6-4 IEC 61000-4-2, 3, 4, 5, 6, 11		
	E-mark	----		----	Certified CISPR 25; ISO 7637-2		
Other	Remote Control (Optional)	CR-6 / CR-8 / CR-10					
	LED Indicator	Input voltage level, faulty status					
Socket Type	Dimension (WxHxD)	283x128x496 mm / 11.14x5.04x19.53 inch					
	Packing	10kg; 2pcs / 21kg / 3.19CUFT					
	Cooling	Load & thermal control fan					
	Communication Port	RS-232 (RJ-11 type connector), Ethernet (Optional)					

① EN55014-1, EN55014-2 Class B : Output cable less than 2 meters.

Mechanical Drawings

Unit: mm [inch]



Features

- Power ON / OFF remote control (Green Terminal)
- Wide input range : 10~16VDC (112 / 212), 20~32VDC (124 / 224)
- Wide operating temperature : -20°C~60°C
- Input & output fully isolation
- Output frequency (50 / 60Hz) selectable by DIP switch
- Output voltage / power saving mode selectable
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Overload / Over Temperature
- E13 / CE / FCC approved

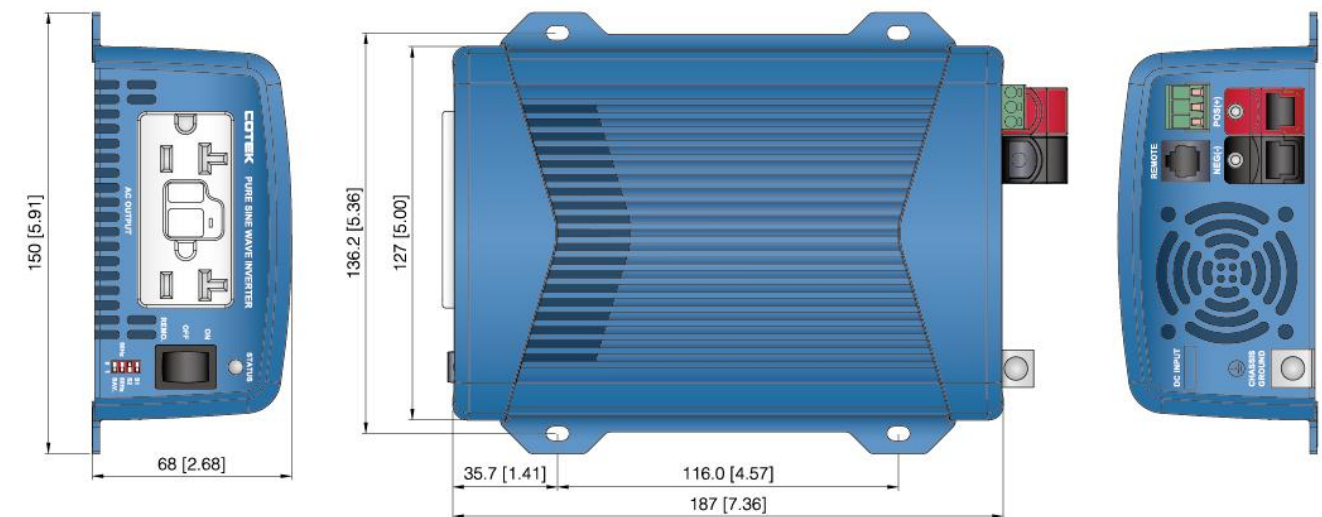


MODEL	SE200-112	SE200-124	SE200-212	SE200-224
Environment	Working Temp.	-20°C ~ 60°C		
	Storage Temp.	-30°C ~ 70°C		
	Working Humidity	Max. 90%, RH non-condensing		
Safety & EMC	Safety Standards	----		Certified EN 60950-1
	EMC Standards	Certified FCC class B		Certified EN 55022 class B; EN 61204-3 EN 61000-6-1, -6-3, -3-2, -3-3 EN 55024; EN 61000-4-2, 3, 4, 5, 6, 8, 11
	E-mark	----		Certified CISPR 25; ISO 7637-2
Other	Dimension (WxHxD)	150x68x187 mm / 5.91x2.68x7.36 inch		
	Packing	1.6kg; 6pcs / 10.6kg / 1.45CUFT		
	Cooling	Load & thermal control fan		
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems... etc.		
	Socket Type	North America (GFCI)	North America (NEMA 5-15R)	Continental European (SCHUKO)

MODEL	SE200-112	SE200-124	SE200-212	SE200-224	
Output	AC Voltage	100 / 110 / 115 / 120 VAC		200 / 220 / 230 / 240 VAC	
	AC Regulation	± 5%		± 5%	
	Rated Power	200W (VA)			
	Over Rated Power (3 Min.)	230W (VA)			
	Peak Power (3 Sec.)	250W (VA)			
	Output Waveform	Pure Sine Wave (THD<3%@rated VDC, linear load)			
Input	Frequency	50 / 60 Hz ± 0.5%			
	DC Voltage	12VDC	24VDC	12VDC	24VDC
	Voltage Range	10~16VDC	20~32VDC	10~16VDC	20~32VDC
	Efficiency (Typ.)	89%	91%	91%	93%
	No Load Power Consumption	@12VDC	@24VDC	@12VDC	@24VDC
	On Mode@Save Mode	<0.12A	<0.06A	<0.12A	<0.06A
	On Mode@No Load Mode	<0.5A	<0.4A	<0.5A	<0.4A
Protection	BAT. Low Alarm ± 3%	10.5VDC	21VDC	10.5VDC	21VDC
	BAT. Low Shutdown ± 3%	10VDC	20VDC	10VDC	20VDC
	BAT. Low Restart ± 3%	12.5VDC	25VDC	12.5VDC	25VDC
	BAT. High Alarm ± 3%	15.5VDC	31VDC	15.5VDC	31VDC
	BAT. High Shutdown ± 3%	16VDC	32VDC	16VDC	32VDC
	BAT. High Restart ± 3%	14.5VDC	29VDC	14.5VDC	29VDC
	Protection	Overload / Short Circuit / DC Over Voltage / DC Under Voltage / Over Temperature			
DC Input Reverse Polarity	By fuse				

Mechanical Drawings

Unit: mm [inch]



Features

- Pure sine wave output (THD < 3% @ rated VDC, linear load)
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Output frequency (50 / 60Hz) selectable by DIP switch
- Output voltage / power saving mode selectable
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Overload / Over Temperature
- Power saving mode < 2W
- E13 / CE approved



MODEL	SE350-112	SE350-124	SE350-148	SE350-212	SE350-224	SE350-248	
Safety & EMC	Safety Standards	---			Certified EN 60950-1		
	EMC Standards	---			Certified EN 55022 class B; EN 55024 EN 61204-3; EN 61000-3-2, -3-3, -6-1, -6-3 IEC 61000-4-2, 3, 4, 5, 6, 8, 11		
	E-mark	---			Certified CISPR 25; ISO 7637-2		
Other	Dimension (WxHxD)	150x68x187 mm / 5.91x2.68x7.36 inch					
	Packing	1.6kg; 6pcs / 10.6kg / 1.45CUFT					
	Cooling	Load & thermal control fan					
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems... etc.					
Socket Type	North America (GFCI)	North America (NEMA 5-15R)	Continental European (SCHUKO)	Australia / New Zealand	United Kingdom	Universal	France Connector

MODEL	SE350-112	SE350-124	SE350-148	SE350-212	SE350-224	SE350-248	
Output	AC Voltage	100 / 110 / 115 / 120 VAC			200 / 220 / 230 / 240 VAC		
	AC Regulation	± 5%			± 5%		
	Rated Power	350W					
	Surge Power	700W					
	Output Waveform	Pure Sine Wave (THD<3%@rated VDC, linear load)					
Frequency	50 / 60 Hz ± 0.1%						
Input	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10~15.5VDC	20~31VDC	40~62VDC	10~15.5VDC	20~31VDC	40~62VDC
	Efficiency (@ rated Vdc, full load)	87%	88%	89%	89%	90%	91%
	No Load Power Consumption	@12VDC	@24VDC	@48VDC	@12VDC	@24VDC	@48VDC
	On Mode@Save Mode	<90mA	<60mA	<40mA	<90mA	<60mA	<40mA
	On Mode@No Load Mode	<0.65A	<0.32A	<0.16A	<0.9A	<0.5A	<0.25A
Protection	BAT. Low Alarm	10.5VDC	21VDC	42VDC	10.5VDC	21VDC	42VDC
	BAT. Low Shutdown	10VDC	20VDC	40VDC	10VDC	20VDC	40VDC
	BAT. Low Restart	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	BAT. High Alarm	15VDC	30VDC	60VDC	15VDC	30VDC	60VDC
	BAT. High Shutdown	15.5VDC	31VDC	62VDC	15.5VDC	31VDC	62VDC
	BAT. High Restart	14.5VDC	29VDC	58VDC	14.5VDC	29VDC	58VDC
	Protection	Overload / Short Circuit / DC Over Voltage / DC Under Voltage / Over Temperature					
DC Input Reverse Polarity	By fuse						
Environment	Working Temp.	-20°C ~ 60°C, refer to power de-rating curve					
	Storage Temp.	-30°C ~ 70°C					
	Working Humidity	Max. 90%, RH non-condensing					

Mechanical Drawings

Unit: mm [inch]



Features

- Low frequency transformer design is capable of driving high reactive and capacitive loads
- DC input socket availability is suitable for different user scenarios
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Thermal control fan
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Overload / Over Temperature
- E13 / UL / CE / FCC approved

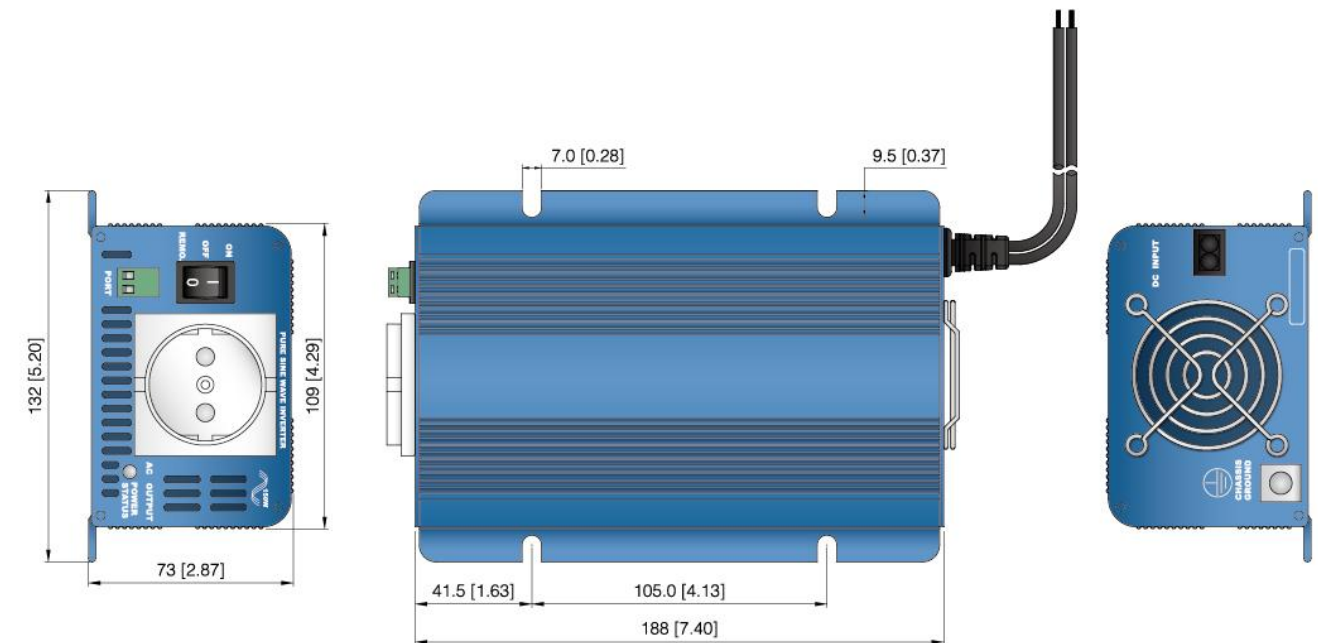


MODEL	S150-112	S150-124	S150-212	S150-224
Safety & EMC	Safety Standards		Certified UL 458 (UL only for GFCI receptacles)	Certified EN 60950-1
	Isolation Resistance		I/P-O/P: 100M Ohms / 500VDC	
	EMI Conduction & Radiation		Certified FCC class B	Certified EN 55022 class B EN 61000-3-2, -3-3, -6-3; EN 61204-3
	EMS Immunity		---	Certified EN 55024; EN 61000-6-1 ENV 50204; IEC 61000-4-2, 3, 4, 5, 6, 8, 11
	E-mark		---	Certified CISPR 25; ISO 7637-2
Other	Dimension (WxHxD)		132x73x188 mm / 5.20x2.87x7.40 inch	
	Packing		2.84kg; 6pcs / 18kg / 1.45CUFT	
	Cooling		Thermal control fan	
	Application		Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.	
Socket Type				

MODEL	S150-112	S150-124	S150-212	S150-224
Output	AC Voltage		100 / 110 / 120 VAC	
	AC Regulation		± 5%	
	Rated Power		150W	
	Surge Power		200W	
	Output Waveform		Pure Sine Wave (THD<6%)	
Frequency		50 / 60 Hz ± 0.5%		
Input	DC Voltage		12VDC	24VDC
	Voltage Range		10.5~15VDC	21~30VDC
	Efficiency (Typ.)		87%	88%
	No Load Current Draw		0.20A	0.16A
	Fuse		25Ax1	15Ax1
Protection	BAT. Low Shutdown		10VDC	20VDC
	Overload		Shutdown output voltage, restart to recover	
	Over Voltage		15~16VDC	30~32VDC
	Over Temperature		Shutdown output voltage, recover automatically after temperature goes down	
	Output Short		Shutdown output voltage, restart to recover	
	DC Input Reverse Polarity		By fuse	
Environment	Working Temp.		0°C ~ 40°C	
	Working Humidity		20~90% RH non-condensing	
	Storage Temp. & Humidity		-30°C ~ 70°C, 10~95% RH	

Mechanical Drawings

Unit: mm [inch]



Features

- Low frequency transformer design is capable of driving high reactive and capacitive loads
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Thermal control fan
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Overload / Over Temperature
- E13 / UL / CE / FCC approved

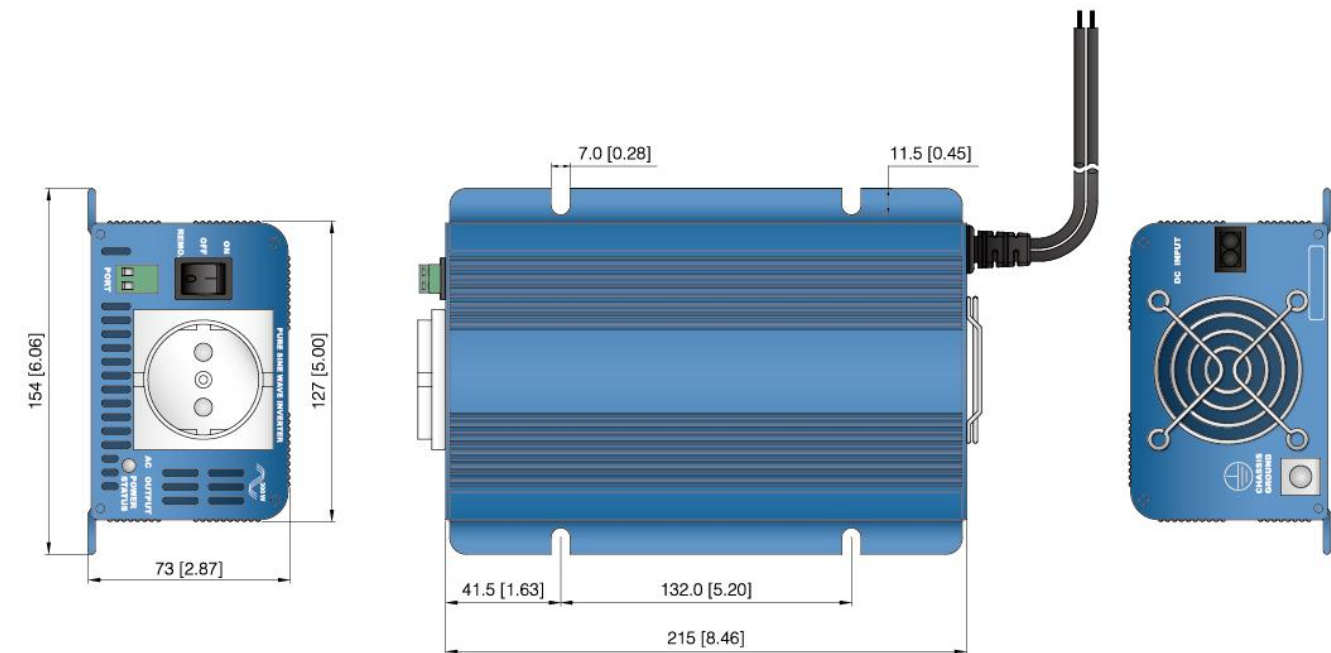


MODEL	S300-112	S300-124	S300-212	S300-224
Safety & EMC	Safety Standards		Certified UL 458 (UL only for GFCI receptacles)	Certified EN 60950-1
	Isolation Resistance		I/P-O/P: 100M Ohms / 500VDC	
	EMI Conduction & Radiation		Certified FCC class B	Certified EN 55022 class B EN 61000-3-2, -3-3, -6-3; EN 61204-3
	EMS Immunity		----	Certified EN 55024; EN 61000-6-1 ENV 50204; IEC 61000-4-2, 3, 4, 5, 6, 8, 11
	E-mark		----	Certified CISPR 25; ISO 7637-2
Other	Dimension (WxHxD)		154x73x215 mm / 6.06x2.87x8.46 inch	
	Packing		4.06kg; 4pcs / 17.2kg / 1.12CUFT	
	Cooling		Thermal control fan	
	Application		Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.	
	Socket Type		North America (GFCI) North America (NEMA 5-15R)	Continental European (SCHUKO) Australia / New Zealand United Kingdom Universal IEC

MODEL	S300-112	S300-124	S300-212	S300-224
Output	AC Voltage		100 / 110 / 120 VAC	
	AC Regulation		± 5%	
	Rated Power		300W	
	Surge Power		400W	
	Output Waveform		Pure Sine Wave (THD<6%)	
Frequency		50 / 60 Hz ± 0.5%		
Input	DC Voltage		12VDC	24VDC
	Voltage Range		10.5~15VDC	21~30VDC
	Efficiency (Typ.)		89%	89%
	No Load Current Draw		0.24A	0.28A
	Fuse		40Ax1	25Ax1
Protection	BAT. Low Shutdown		10VDC	20VDC
	Overload		Shutdown output voltage, restart to recover	
	Over Voltage		15~16VDC	30~32VDC
	Over Temperature		Shutdown output voltage, recover automatically after temperature goes down	
	Output Short		Shutdown output voltage, restart to recover	
	DC Input Reverse Polarity		By fuse	
Environment	Working Temp.		0°C ~ 40°C	
	Working Humidity		20~90% RH non-condensing	
	Storage Temp. & Humidity		-30°C ~ 70°C, 10~95% RH	

Mechanical Drawings

Unit: mm [inch]



Features

- Pure sine wave output (THD < 3%)
- Power ON / OFF remote control (Green Terminal)
- Input & output fully isolation
- Load control fan
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Overload / Over Temperature
- UL / CE / FCC approved

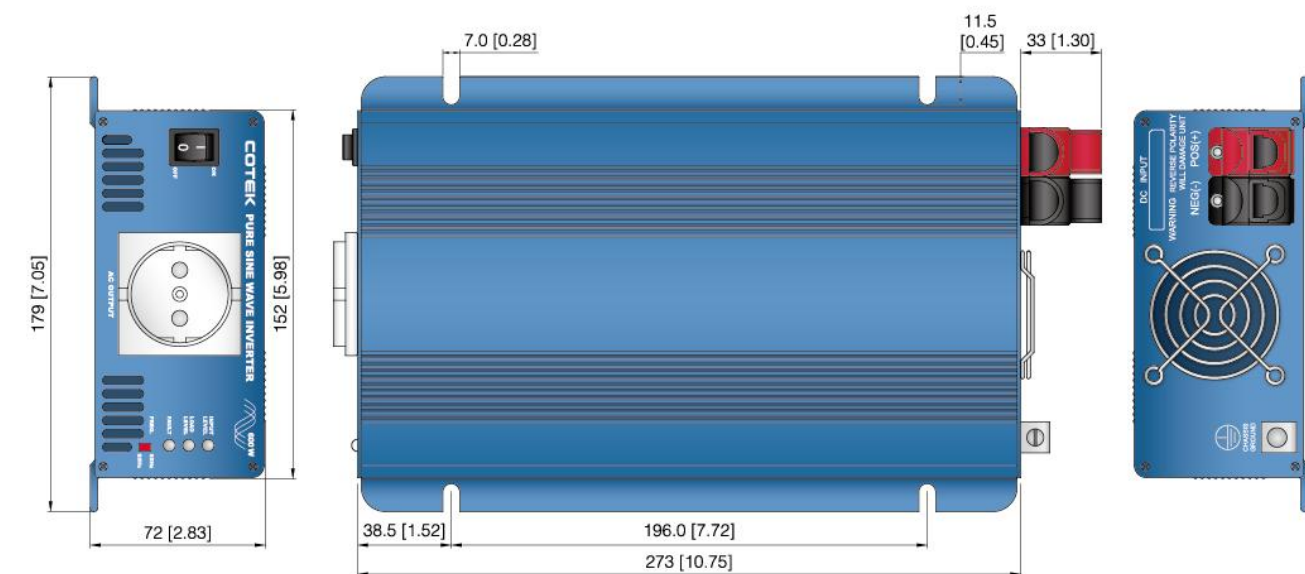


MODEL	S600R-112	S600R-124	S600R-148	S600R-212	S600R-224	S600R-248	
Safety & EMC	Safety Standards	Certified UL 458 (UL only for GFCI receptacles)		----	Certified EN 60950-1		
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC					
	EMI Conduction & Radiation	Certified FCC class B			Certified EN 55022 class B EN 61000-3-2, -3-3, -6-3; EN 61204-3		
	EMS Immunity	----			Certified EN 61204-3; EN 55024; EN 61000-6-1 ENV 50204; IEC 61000-4-2, 3, 4, 5, 6, 8, 11		
Other	Dimension (WxHxD)	179x72x273 mm / 7.05x2.83x10.75 inch					
	Packing	3.38kg; 6pcs / 21.3kg / 2.46CUFT					
	Cooling	Load control fan					
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.					
Socket Type	North America (GFCI)	North America (NEMA 5-15R)	Continental European (SCHUKO)	Australia / New Zealand	United Kingdom	France Connector	

MODEL	S600R-112	S600R-124	S600R-148	S600R-212	S600R-224	S600R-248	
Output	AC Voltage	100 / 110 / 120 VAC			220 / 230 / 240 VAC		
	AC Regulation	± 5%			± 3%		
	Rated Power	600W					
	Max. Power (3 Min)	680W					
	Surge Power	800W					
	Output Waveform	Pure Sine Wave (THD<3%)					
Input	Frequency	50 / 60 Hz ± 0.5%					
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~15VDC	21~30VDC	42~60VDC	10.5~15VDC	21~30VDC	42~60VDC
	Efficiency (Typ.)	87%	90%	92%	90%	93%	94%
	Fuse	35Ax2	20Ax2	10Ax2	35Ax2	20Ax2	10Ax2
Protection	BAT. Low Alarm	11VDC	22VDC	44VDC	11VDC	22VDC	44VDC
	BAT. Low Shutdown	10.5VDC	21VDC	42VDC	10.5VDC	21VDC	42VDC
	Overload	Shutdown output voltage, restart to recovery					
	Over Voltage	15.3VDC	30.6VDC	61.2VDC	15.3VDC	30.6VDC	61.2VDC
	Over Temperature	Shutdown output voltage, recover automatically after temperature goes down					
	Over Short	Shutdown output voltage, restart to recover					
	DC Input Reverse Polarity	By fuse					
Environment	Working Temp.	0°C ~ 40°C					
	Working Humidity	20~90% RH non-condensing					
	Storage Temp. & Humidity	-30°C ~ 70°C, 10~95% RH					

Mechanical Drawings

Unit: mm [inch]



Features

- Pure sine wave output (THD < 3%)
- RS-232 interface / remote control port
- Input & output fully isolation
- Temperature control fan
- Output voltage & frequency selectable by DIP switch
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Overload / Over Temperature
- Built in LED indicator for battery voltage & power status
- Power saving mode
- UL / CE / FCC approved

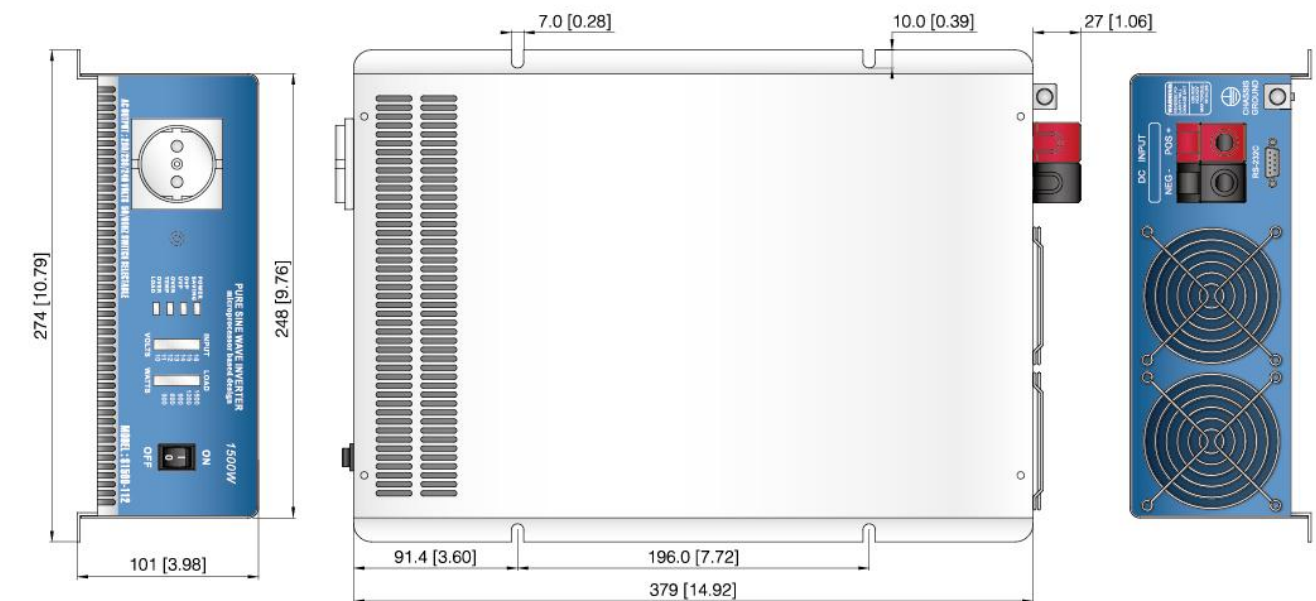


MODEL	S1500-112	S1500-124	S1500-148	S1500-212	S1500-224	S1500-248	
Output	AC Voltage	100 / 110 / 120 VAC			220 / 230 / 240 VAC		
	AC Regulation	± 5%			± 3%		
	Rated Power	1500W					
	Surge Power	2000W					
	Output Waveform	Pure Sine Wave (THD<3%)					
	Frequency	50 / 60 Hz ± 0.5%					
Input	Peak Current	25A			11A		
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10~16VDC	20~32VDC	40~62VDC	10~16VDC	20~32VDC	40~62VDC
	Efficiency (Typ.)	87%	90%	92%	90%	93%	94%
	Fuse	35Ax2	20Ax2	10Ax2	35Ax2	20Ax2	10Ax2
Protection	BAT. Low Alarm	10.2VDC	20.4VDC	41.6VDC	10.2VDC	20.4VDC	41.6VDC
	BAT. Low Shutdown	9.5VDC	19.3VDC	38.6VDC	9.5VDC	19.3VDC	38.6VDC
	Overload	Shutdown output voltage, restart to recovery					
	Over Voltage	17.1VDC	34.1VDC	63VDC	17.1VDC	34.1VDC	63VDC
	Over Temperature	Shutdown output voltage, recover automatically after temperature goes down					
	Over Short	Shutdown output voltage, restart to recover					
	DC Input Reverse Polarity	By fuse					
Environment	Working Temp.	0°C ~ 40°C					
	Working Humidity	20~90% RH non-condensing					
	Storage Temp. & Humidity	-30°C ~ 70°C, 10~95% RH					

MODEL	S1500-112	S1500-124	S1500-148	S1500-212	S1500-224	S1500-248		
Safety & EMC	Safety Standards	Certified UL 458 (UL only for GFCI receptacles)	----	Certified EN 60950-1				
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC						
	EMI Conduction & Radiation	Certified FCC class B			Certified EN 55022 class B EN 61000-3-2, -3-3, -6-3			
	EMS Immunity	----			Certified EN 61204-3; EN 55024 EN 61000-6-1; IEC 61000-4-2, 3, 4, 5, 6, 8, 11			
Control	Remote Control (Optional)	CR-5						
Other	Dimension (WxHxD)	274x101x379 mm / 10.79x3.98x14.92 inch						
	Packing	8.16kg; 2pcs / 17.3kg / 2.55CUFT						
	Cooling	Load control fan						
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid solar power systems....etc.						
	Socket Type	North America (GFCI)		North America (NEMA 5-15R)		Continental European (SCHUKO)	Australia / New Zealand	United Kingdom

Mechanical Drawings

Unit: mm [inch]



Features

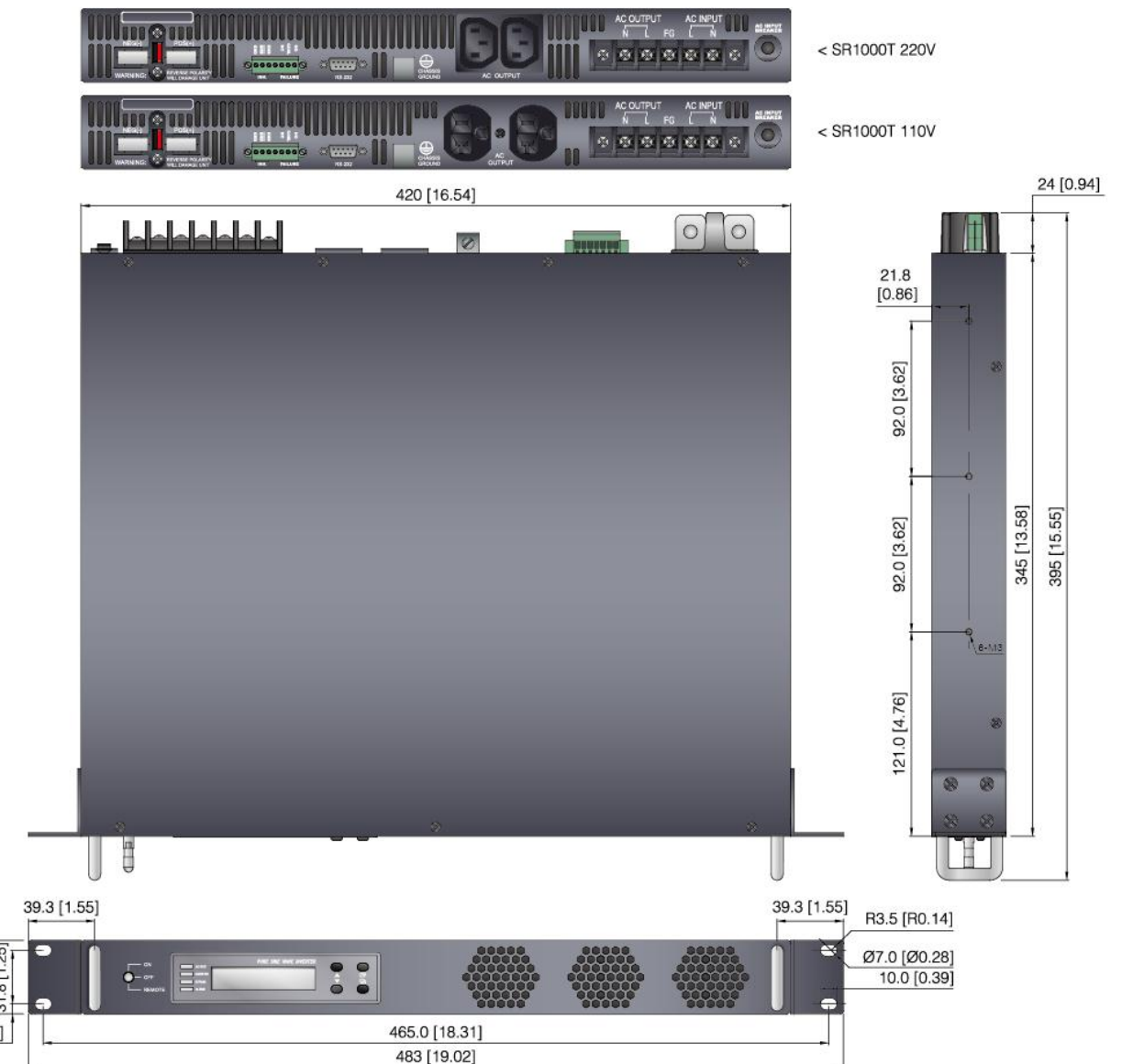
- Pure sine wave output (THD < 2%)
- Standard 19" 1U rack mount
- User-friendly LCM module
- Dry contact for system alarm
- RS-232 communication port
- Selectable on-line / off-line modes
- Built in AC transfer switch and AC breaker
- Hard-wire or dual AC outlet output connection
- Fan failure alarm with buzzer
- Input protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output protection: Short Circuit / Over Temperature
- UL / CE / FCC approved



MODEL	SR1000T-124	SR1000T-148	SR1000T-224	SR1000T-248
Safety & EMC	Safety Standards	Certified UL 60950-1		Certified EN 60950-1
	EMC Standards	Certified FCC class B		Certified EN 55022 class B; EN 61000-3-2, -3-3 EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11
Other	Failure Indication	Buzzer alarm and dry contact		
	Dimension (WxHxD)	483x44x345 mm / 19.02x1.73x13.58 inch		
	Packing	7.46kg; 2pcs / 15.9kg / 1.74CUFT		
	Cooling	Thermal and load control fan		
	Application	Focus on telecommunication (base-station), networking (data center) and battery backup systems		

Mechanical Drawings

Unit: mm [inch]



MODEL	SR1000T-124	SR1000T-148	SR1000T-224	SR1000T-248	
Output	Continuous Output Power	1000W			
	Max. Output Power (3 Min.)	1100W			
	Surge Power	2000W			
	Frequency	47~63 Hz ± 0.5% (User selectable)			
	Output Voltage	97~123VAC (User selectable)		194~246VAC (User selectable)	
	Efficiency (Full Load)	87%	88%	90%	91%
	Output Waveform	Pure Sine Wave (THD<2%)			
Input	DC Voltage	24VDC	48VDC	24VDC	48VDC
	Voltage Range	18~34VDC	36~68VDC 36~60VDC (Only UL)	18~34VDC	36~68VDC 36~60VDC (Only UL)
	No Load Current	1.4A	0.75A	1.3A	0.7A
Control & Signal	LCD Panel	2-line LCD Panel			
	LED Indicator	Input voltage level, output load level and faulty status			
	Dry Contact Terminal	By relay			
	Remote Control Port	RJ-11			
Protection	Input Protection	Over Voltage / Under Voltage / Reverse Polarity (Fuse)			
	AC Output Protection	Short Circuit / Overload / Over Temperature			
	AC Input Protection	12Amp Circuit Breaker		6Amp Circuit Breaker	
Bypass Relay	Relay Specification	15Amp / 120VAC, 10Amp / 250VAC			
	Bypass Relay Selectable	On line / Off line (Haphazard, Normal, Exacting) selectable			
	Switching Time	From AC bypass mode (off-line mode): ≤20ms From DC to AC inverter mode (on-line mode): ≤8ms (exacting mode)			
Environment	Working Temp. (Full Load)	0°C ~ 50°C			
	Storage Temp.	-30°C ~ 70°C			

Features

- Hot swappable module with LED indicator
- Standard 19" 2U rack mount
- Zero transfer time
- DC Mode / AC Mode selectable
- High efficiency up to 97% at AC Mode
- Dual input source (AC & DC)
- Up to 32 modules can be connected in parallel (up to 51.2KW)
- Replacable fan module to make maintenance easy
- Input protection: Reverse Polarity / Under Voltage / Over Voltage
- Output protection: Short Circuit / Over Temperature
- Wide AC input range 75~132VAC (110VAC) / 150~265VAC (220VAC)
- Accessory: AC bypass switch, iC-Hub, rack mount shelf
- CE / FCC approved



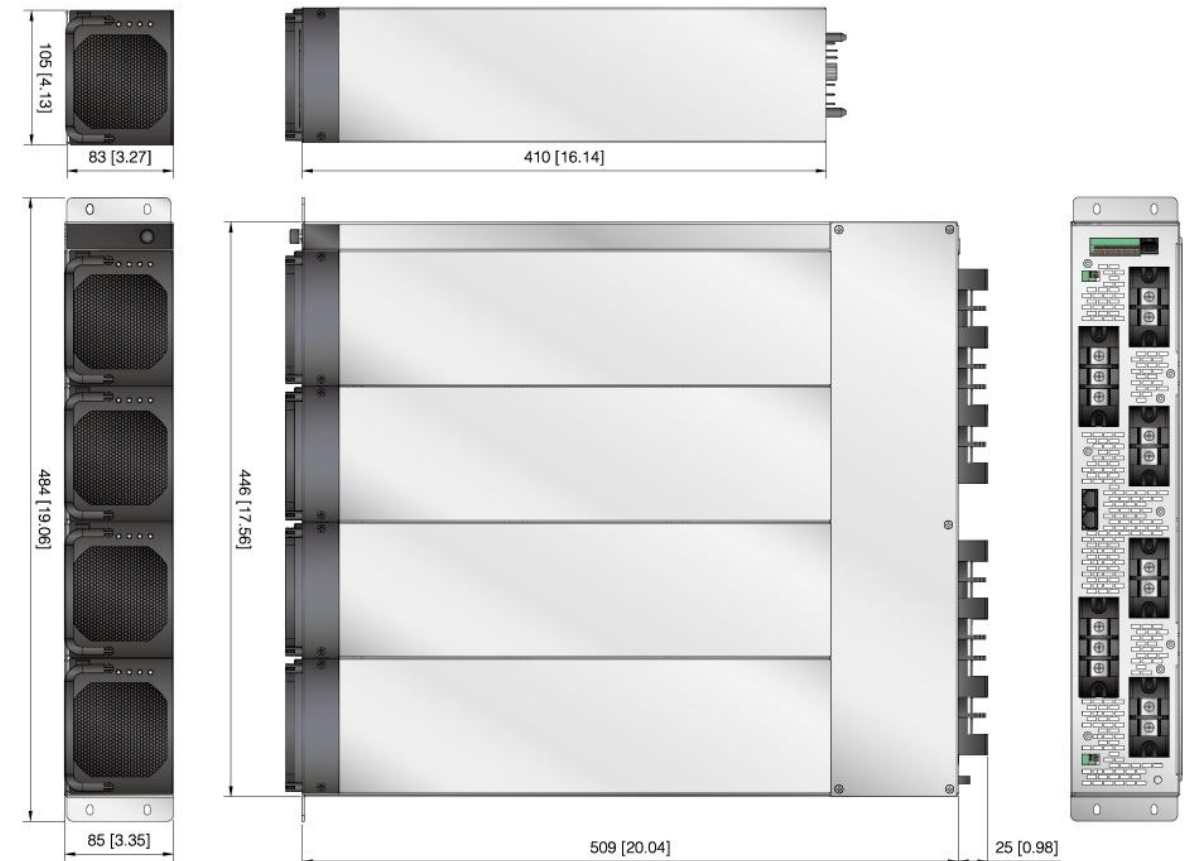
MODEL		SR-1600-124	SR-1600-148	SR-1600-224	SR-1600-248
AC Output	Rating Power	1200W / 1600VA	1600W / 1600VA	1200W / 1600VA	1600W / 1600VA
	Short Time Overload Capacity	150% rated power (15 seconds)			
	Nominal Voltage (AC)	120VAC		230VAC	
	Output Voltage Range (AC)	100~120VAC		200~240VAC	
	Efficiency AC Mode	96%		97%	
	Efficiency DC Mode	89%	90%	90%	91%
	Frequency Range	50 / 60 Hz			
	THD (Above 50% Resistive Load)	< 3%			
	Turn ON Delay	<10 sec.			
	Crest Factor at Nominal Power	3 In [Ⓢ]	3 In [Ⓢ]	3 In [Ⓢ]	3 In [Ⓢ]
AC Input	Nominal Voltage (AC)	120VAC		230VAC	
	Voltage Range (AC)	75~132VAC ± 3%		150~265VAC ± 2%	
	Power Factor@Rating Power	> 0.99			
	Frequency Range	50 / 60 Hz			
DC Input	Synchronization Range	47~53 Hz, 57~63 Hz			
	Nominal Voltage (DC)	24VDC	48VDC	24VDC	48VDC
	Voltage Range (DC)	18~34VDC ± 3%	36~68VDC ± 3%	18~34VDC ± 3%	36~68VDC ± 3%
	Nominal Current (at 24Vdc / 48Vdc)	60A	40A	60A	40A
Control & Signal	Max. Input Current (15 Sec.)	90A	60A	90A	60A
	Indicator	LED			
Protection	Advanced Control	RS-485 control module			
	Failure Indicator	Buzzer alarm			
	DC Input Protection	Over Voltage / Under Voltage / Reverse Polarity			
Protection	AC Input Protection	Over Voltage / Under Voltage / Over Current			
	Output Protection	Short Circuit / Overload / Over Temperature			

Ⓢ In=Nominal Current

MODEL		SR-1600-124	SR-1600-148	SR-1600-224	SR-1600-248
Transfer Performance	Max. Voltage Interruption	0 sec.			
	Total Transient Voltage Duration (Max.)	0 sec.			
Environment	Operating Temp. Without Derating	-25°C ~ 40°C (DC mode), -40°C ~ 40°C (AC mode)			
	Storage Temp.	-40°C ~ 70°C			
	Relative Humidity	95%, non-condensing			
	Altitude Above Sea Without Derating	< 1500m			
Safety & EMC	Vibration	BS EN 61373			
	Safety Standards	Meet UL 60950-1		Certified EN 60950-1	
Other	EMC Standards	Certified FCC class B		Certified EN 55022 class B; EN 61204-3 EN 55024; EN 61000-3-2, -3-3, -6-1, -6-3 IEC 61000-4-2, 3, 4, 5, 6, 8, 11	
	Dimension (WxHxD)-Module	105x83x410 mm / 4.13x3.27x16.14 inch			
Other	Dimension (WxHxD)-Shelf	446x85x509 mm / 17.56x3.35x20.04 inch			
	Packing	Module : 3.8kg; 4pcs / 17.2kg; Shelf : 6.5kg; 1pc / 7.5kg			

Mechanical Drawings

Unit: mm [inch]



Features

- All in one design: Bi-direction inverter and charger
- 3 stage charging function
- Built in AC bypass switch
- Intelligent software for power management: Power sharing and generator function
- Hard-wire connection
- Fan controls by load and temperature
- Remote management and control
- RS-232 communication interface
- Advanced protection features

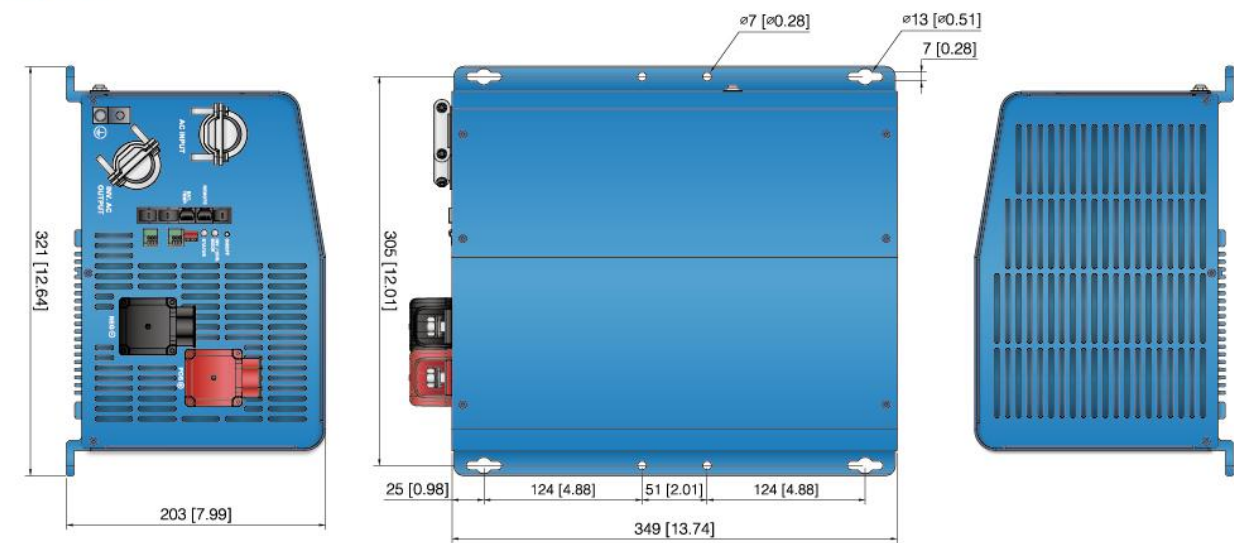
MODEL	SL-2000-112	SL-2000-124	SL-2000-212	SL-2000-224	
Inverter Mode	DC Input Characteristics				
	Nominal Voltage	12VDC	24VDC	12VDC	24VDC
	Input Voltage Range	9~17VDC ± 0.3V	18~34VDC ± 0.3V	9~17VDC ± 0.3V	18~34VDC ± 0.3V
	Absolute Max. DC Input	25VDC	35VDC	25VDC	35VDC
	HBCO / HBCI (High Battery Cut Out / In)	17VDC ± 0.3V	34VDC ± 0.3V	17VDC ± 0.3V	34VDC ± 0.3V
	LBCO/LBCI (Low Battery Cut Out / In)	9VDC ± 0.3V	18VDC ± 0.3V	9VDC ± 0.3V	18VDC ± 0.3V
	Input Over Voltage Protection	16.5~17VDC	33~34VDC	16.5~17VDC	33~34VDC
	Input Under Voltage Protection	9~10.5VDC	18~21VDC	9~10.5VDC	18~21VDC
	Max. DC Input Current	267VDC	134VDC	267VDC	134VDC
	No Load Power Consumption	25W			
	Stand-By Power Consumption	<5W			
	AC Output Characteristics				
	Output Voltage	120 VAC ± 5% (≦Continuous Power)		240 VAC ± 3% (≦Continuous Power)	
	Continuous Output Power	2000W (VA)			
	Surge Power (Real Watts)	5 sec.	3400W (Tentative)		
		30 sec.	3200W (Tentative)		
		5 min.	2900W (Tentative)		
		30 min	2300W (Tentative)		
Output Waveform	Pure Sine Wave (THD < 5% ^①)		Pure Sine Wave (THD < 3% ^②)		
Frequency	47~63 Hz ± 0.1Hz (User-selectable)				
Efficiency (Max.)	> 90%				
Short-Circuit Protection	Yes				
Charger Mode	AC Input Characteristics				
	AC Input Voltage Range	80~140 VAC ± 5% (120VAC nominal)		160~280 VAC ± 3% (240VAC nominal)	
	AC Input Frequency Range	47~63 Hz			
	AC Nominal Current	15A		7.5A	
	AC Input Current Range	5~50A ^③		3~30A ^③	
	Charger Efficiency (Peak)	85%			
Power Factor Correction (PFC)	> 0.97 (50% Load)				
DC Output Characteristics					
Charging Current Range	0~100A	0~50A	0~100A	0~50A	
Battery Temperature Compensation	25 mV per °C	50 mV per °C	25 mV per °C	50 mV per °C	
Four-Stage Charging	Bulk, Absorb, float, Equalize ^③				
Protection	Battery Temperature Protection				
	By a RJ-11 connector to battery Temperature sensor				

① Normal Condition : Vin=12.5V / 25V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)
 ② Normal Condition : Vin=12.5V / 25V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)
 ③ Setting by remote control (CR-20)

MODEL	SL-2000-112	SL-2000-124	SL-2000-212	SL-2000-224			
Charger Mode	Equalization Characteristics	Max. Output Voltage	16VDC	32VDC	16VDC	32VDC	
		Max. Output Current	10A	5A	10A	5A	
Environment	Bypass switch	Switch Specification (Max. Each Input)	AC 50Amp		AC 30Amp		
		Working Temperature Range	Full Load	-20°C ~ 40°C			
Safety & EMC	Safety Standards	Power De-rating	60W / °C, 41 ~ 60°C (Tentative)				
		Storage	-30°C ~ 70°C				
		Over Temperature Protection	Sensor on transformer, MOSFETs, battery, and internal ambient				
Control & Signal	Working Humidity Range		0~95% Non-condensing				
		EMC Standards		Meet UL458		Meet EN 60950-1	
				Meet FCC class B		Meet EN 55022 class B EN 61000-3-2, -3-3 EN 55024; EN 61204-3 IEC 61000-4-2, 3, 4, 5, 6, 8, 11	
Other	E-mark		---				
		Remote Control (Optional)		CR-16B / CR-20			
			Ground Relay		Default setting is open. User may connect Neutral to ground at inverter mode if necessary, as ground relay is included in SL series		
Dimension (WxHxD)	Net Weight	LED Indicator	Charger-Inverter mode / Fault information				
				321X203X349 mm / 12.64x7.99x13.74 inch			
				17.6kg			

Mechanical Drawings

Unit: mm [inch]



Features

- All in one design: Bi-direction inverter and charger
- 3 stage charging function
- Built in AC bypass switch
- Intelligent software for power management: Power sharing and generator function
- Hard-wire connection
- Fan controls by load and temperature
- Remote management and control
- RS-232 communication interface
- Advanced protection features

MODEL		SC-1000-112	SC-1000-124	SC-1000-212	SC-1000-224	
Inverter Mode	DC Input Characteristics	Nominal Voltage	12VDC	24VDC	12VDC	24VDC
		Input Voltage Range	10.5~16.5VDC ± 0.3V	21~33VDC ± 0.5V	10.5~16.5VDC ± 0.3V	21~33VDC ± 0.5V
		No Load Current	2.0A	1.0A	2.0A	1.0A
		Input Current (Max.)	130A	65A	130A	65A
		Stand-By Current	0.2A	0.1A	0.2A	0.1A
		Input Over Voltage Protection	16.5VDC ± 0.3V	33VDC ± 0.5V	16.5VDC ± 0.3V	33VDC ± 0.5V
		Input Under Voltage Protection	10.5VDC ± 0.3V	21VDC ± 0.5V	10.5VDC ± 0.3V	21VDC ± 0.5V
	AC Output Characteristics	Output Voltage	100 / 110 / 115 / 120 VAC ± 5%		200 / 220 / 230 / 240 VAC ± 3%	
		Continuous Output Power	1000W (VA) ± 0.3%			
		Surge Power	Load 101~115% (1 min.), 2000W (VA) (1 sec.)			
		Output Waveform	Pure Sine Wave (THD < 5% ^①)@Linear Load		Pure Sine Wave (THD < 5% ^②)@Linear Load	
		Frequency	50 / 60 Hz ± 0.3% (User-selectable)			
		Efficiency (Max. Full Load)	87%	88%	87%	88%
		Short-Circuit Protection (1 sec.)	Yes, lpk			
Protection	INV. AC Output	10A Max. ^③		5A Max. ^③		
	AC Output	20A Max. ^④ / 40A Max. ^⑤		20A Max. ^④ / 35A Max. ^⑤		
	Input Protection	Over Voltage / Under Voltage / Reverse Polarity (Internal Fuse)				
	AC Input Protection	30 Amp Circuit Breaker				
	AC Output Protection	Short Circuit / Overload				
	Temperature Protection	Shutdown				
Battery Temperature Protection	By a RJ11 connector to battery temperature sensor					
Charger Mode	AC Input Characteristics	Nominal Voltage / Frequency	110VAC, 50/60Hz		230VAC, 50/60Hz	
		AC Input Voltage Range	90~132VAC		180~264VAC	
		AC Input Frequency Range	50Hz: 47~53Hz / 60Hz: 57~63 Hz		47~63Hz	
		AC Nominal Current	8.2A (@110VAC)		3.9A (@230VAC)	
		Efficiency (Full Load)	>87%			
		AC Input (Max.)	20A Max. ^⑥ / 30A Max. ^⑦			
		Power Factor Correction (PFC)	>0.95 (>80% Load)		>0.95 (>40% Load)	

MODEL		SC-1000-112	SC-1000-124	SC-1000-212	SC-1000-224		
Charger Mode	DC Output Characteristics	Charging Current Range	0~50A	0~25A	0~50A	0~25A	
		Second Charger Output	20A				
		Max. Output Voltage	14.5VDC	29VDC	14.5VDC	29VDC	
		Battery Temperature Compensation	-25 mV per °C	-50 mV per °C	-25 mV per °C	-50 mV per °C	
		Battery Control (3-Stage Battery Chargers)	End Charge Cycle Voltage	14.4VDC	28.8VDC	14.4VDC	28.8VDC
			Floating Voltage	13.5VDC	27VDC	13.5VDC	27VDC
Storage Voltage	12.8VDC		25.6VDC	12.8VDC	25.6VDC		
Bypass Relay	Relay Specification	30 Amp / 250VAC					
	Bypass Relay Selectable	On line / Off line (Haphazard, Normal, Exacting) selectable					
	Switching Time	Inverter AC to AC input source : Max. 10m sec. AC input source to inverter AC : Max. 30m sec.					
Environment	Working Temperature Range	Full Load	-20°C ~ 40°C				
		Power De-rating	40W / °C, 41~70°C (Temporary)				
		Storage	-30°C ~ 70°C				
Working Humidity Range	0~93% Non-condensing						
Safety & EMC	Safety Standards	Meet UL458		Meet EN 60950-1			
	EMC Standards	Meet FCC class A ^⑧		Meet EN 55022 class A ^⑧ EN 61000-3-2, -3-3 EN 55024; EN 61204-3 IEC 61000-4-2, 3, 4, 5, 6, 8, 11			
	E-mark	----		Meet CISPR 25; ISO7637-2			
Control & Signal	Remote Control (Optional)	CR-16B / CR-20					
	Remote Control Terminal	Control the inverter ON / OFF operation					
	LED Indicator	Battery voltage / Output power (VA) / Fault information / Charger-Inverter mode					
	Dry Contact Terminal	By a relay					
	Failure Indication	Buzzer alarm					
	Switch ON / OFF	Automatic, by variable speed cooling fan					
Other	Cooling	Temperature & load controlled cooling fan					

① Normal Condition : Vin=12.5V / 25V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)

② Normal Condition : Vin=12.5V / 25V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)

③ Max. inverter output define inverter 100% load output at Vac = 100Vac or 200Vac

④ Max. AC output define AC input current (limit by the AC socket)

⑤ Max. AC output define AC input current+inverter output current (only for hard wire)

⑥ Max. AC input current limit by the AC socket

⑦ Max. AC input current limit by the breaker (only for hard wire)

⑧ Warning : This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Features

- All in one design: Bi-direction inverter and charger
- 3 stage charging function
- Built in AC bypass switch
- Intelligent software for power management: Power sharing and generator function
- Hard-wire connection
- Fan controls by load and temperature
- Remote management and control
- RS-232 communication interface
- Advanced protection features

MODEL		SC-2000-112	SC-2000-124	SC-2000-212	SC-2000-224	
Inverter Mode	DC Input Characteristics	Nominal Voltage	12VDC	24VDC	12VDC	24VDC
		Input Voltage Range	10.5~16.5VDC ± 0.3V	21~33VDC ± 0.5V	10.5~16.5VDC ± 0.3V	21~33VDC ± 0.5V
		No Load Current	2.0A	1.0A	2.0A	1.0A
		Input Current (Max.)	260A	130A	260A	130A
		Stand-By Current	0.2A	0.1A	0.2A	0.1A
		Input Over Voltage Protection	16.5VDC ± 0.3V	33VDC ± 0.5V	16.5VDC ± 0.3V	33VDC ± 0.5V
		Input Under Voltage Protection	10.5VDC ± 0.3V	21VDC ± 0.5V	10.5VDC ± 0.3V	21VDC ± 0.5V
	AC Output Characteristics	Output Voltage	100 / 110 / 115 / 120 VAC ± 5%		200 / 220 / 230 / 240 VAC ± 3%	
		Continuous Output Power	2000W (VA) ± 0.3%			
		Surge Power	Load 101~115% (1 min.), 4000W (VA) (1 sec.)			
Output Waveform		Pure Sine Wave (THD < 5% ^①)@Linear Load		Pure Sine Wave (THD < 5% ^②)@Linear Load		
Frequency		50 / 60 Hz ± 0.3% (User-selectable)				
Efficiency (Max. Full Load)		87%	88%	87%	88%	
Short-Circuit Protection (1 sec.)		Yes, Ipk				
INV. AC Output		20A Max. ^③		10A Max. ^③		
AC Output	20A Max. / 50A Max. ^④		10A Max. / 40A Max. ^④			
Protection	Input Protection	Over Voltage / Under Voltage / Reverse Polarity (Internal Fuse)				
	AC Input Protection	30 Amp Circuit Breaker				
	AC Output Protection	Short Circuit / Overload				
	Temperature Protection	Shutdown				
	Battery Temperature Protection	By a RJ11 connector to battery temperature sensor				
Charger Mode	AC Input Characteristics	Nominal Voltage / Frequency	110VAC, 50/60Hz		230VAC, 50/60Hz	
		AC Input Voltage Range	90~132VAC		180~264VAC	
		AC Input Frequency Range	50Hz: 47~53Hz / 60Hz: 57~63 Hz		47~63Hz	
		AC Nominal Current	16.5A (@110VAC)		7.9A (@230VAC)	
		Efficiency (Full Load)	>87%			
		AC Input (Max.)	30A Max. ^⑤			
	Power Factor Correction (PFC)	>0.97 (>40% Load)		>0.95 (>40% Load)		

MODEL		SC-2000-112	SC-2000-124	SC-2000-212	SC-2000-224	
Charger Mode	DC Output Characteristics	Charging Current Range	0~100A	0~50A	0~75A	0~37.5A
		Second Charger Output	20A			
		Max. Output Voltage	14.5VDC	29VDC	14.5VDC	29VDC
		Battery Temperature Compensation	-25 mV per °C	-50 mV per °C	-25 mV per °C	-50 mV per °C
		Battery Control (3-Stage Battery Chargers)	End Charge Cycle Voltage	14.4VDC	28.8VDC	14.4VDC
Floating Voltage	13.5VDC		27VDC	13.5VDC	27VDC	
Storage Voltage	12.8VDC		25.6VDC	12.8VDC	25.6VDC	
Bypass Relay	Relay Specification	30 Amp / 250VAC				
	Bypass Relay Selectable	On line / Off line (Haphazard, Normal, Exacting) selectable				
	Switching Time	Inverter AC to AC input source : Max. 10m sec. AC input source to inverter AC : Max. 30m sec.				
Environment	Working Temperature Range	Full Load	-20°C ~ 40°C			
		Power De-rating	40W / °C, 41~70°C (Temporary)			
		Storage	-30°C ~ 70°C			
	Working Humidity Range	0~93% Non-condensing				
Safety & EMC	Safety Standards	Meet UL458		Meet EN 60950-1		
	EMC Standards	Meet FCC class A ^⑥		Meet EN 55022 class A ^⑥ EN 61000-3-2, -3-3 EN 55024; EN 61204-3 IEC 61000-4-2, 3, 4, 5, 6, 8, 11		
	E-mark	----		Meet CISPR 25; ISO7637-2		
Control & Signal	Remote Control (Optional)	CR-16B / CR-20				
	Remote Control Terminal	Control the inverter ON / OFF operation				
	LED Indicator	Battery voltage / Output power (VA) / Fault information / Charger-Inverter mode				
	Dry Contact Terminal	By a relay				
	Failure Indication	Buzzer alarm				
	Switch ON / OFF	Automatic, by variable speed cooling fan				
Other	Cooling	Temperature & load controlled cooling fan				

① Normal Condition : Vin=12.5V / 25V Vo=100 / 110 / 115 / 120 VAC 80% Full load (PF=1.0)

② Normal Condition : Vin=12.5V / 25V Vo=200 / 220 / 230 / 240 VAC 80% Full load (PF=1.0)

③ Max. inverter output define inverter 100% load output at Vac = 100Vac or 200Vac

④ Max. AC output define AC input current+inverter output current (only for hard wire)

⑤ Max. AC input current limit by the breaker (only for hard wire)

⑥ Warning : This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Features

- Universal AC input with active PFC
- Suitable for lead acid, Li-ion, Gel and AGM batteries
- 3-stage charging mode
- Dry contact for alarm
- Support RS-485 / RS-232 communication protocol
- Voltage temperature compensation
- 2 stage fan speed control (sleep mode)
- High efficiency and high reliability
- Built-in battery rescue function
- Built-in Engine Start Battery (ESB) output function
- Protection: Short Circuit / Over Voltage / Over Temperature / Brown-out
- Withstand 2G vibration test
- CE approved

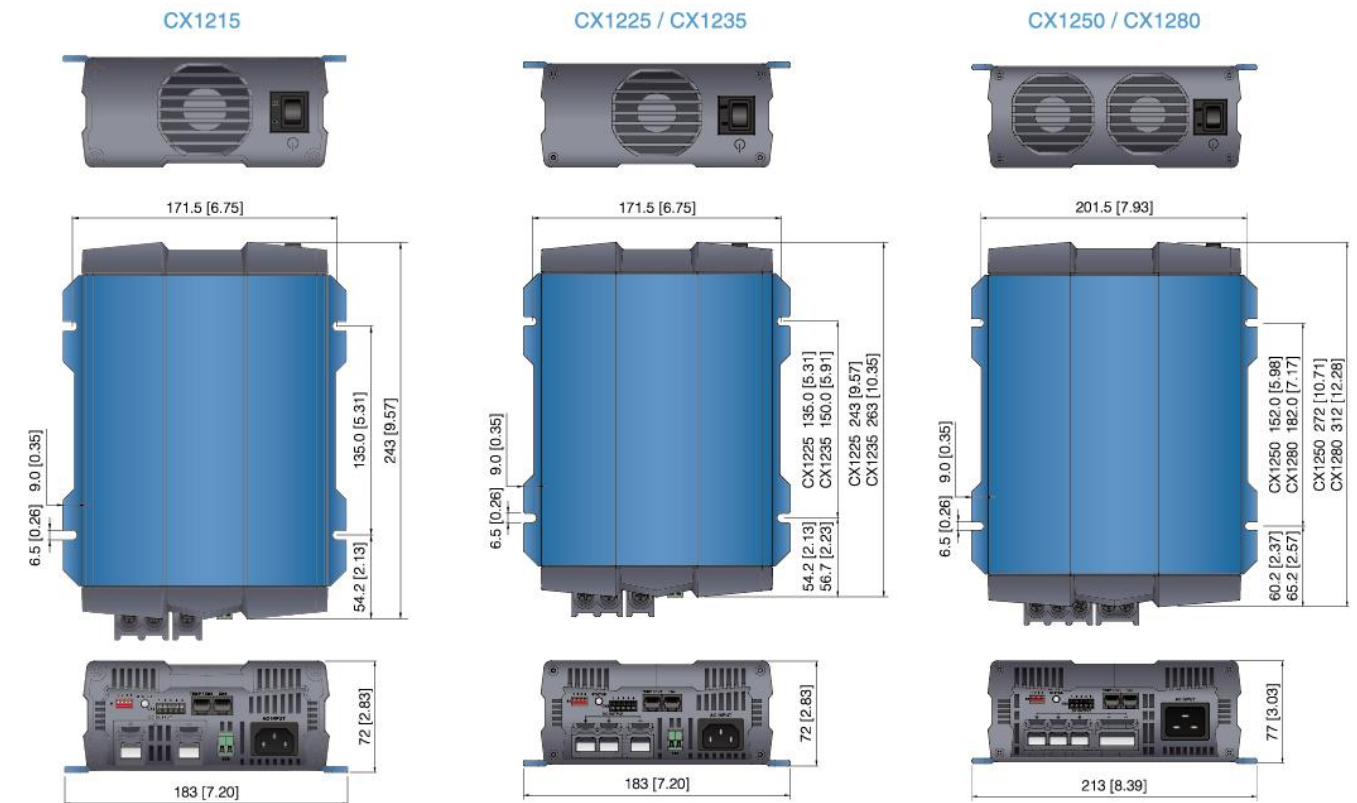


MODEL	CX1215	CX1225	CX1235	CX1250	CX1280	
Output	Battery Type					Lead Acid / Li-ion / Gel / AGM
	Standard Boost Charge Voltage					14.4V / 14.7V (select by switch)
	Standard Float Charge Voltage					13.8V / 13.5V (select by switch)
	Main Rated Current					15A 25A 35A 50A 80A
	Current Range					0~15A 0~25A 0~35A 0~50A 0~80A
	Main Output					1 2 2 3 3
	ESB Output					1 1 1 — —
	ESB Output Voltage / Current					13.8V / 2A 13.8V / 2A 13.8V / 2A — —
	Battery Charging Mode					3 stage charging capability
	Single Output Current Limit					15A 25A 35A 40A 40A
Input	Voltage Range					90~264VAC
	Power Factor (Typ.)					PF > 0.92 at full load
	Frequency Range					47~63 Hz
	Efficiency (Typ.) at 230VAC					87% 87% 87% 87% 87%
	AC Current (Typ.)					2.5A / 100VAC 4.1A / 100VAC 6.2A / 100VAC 8.24A / 100VAC 13.3A / 100VAC 1.07A / 240VAC 1.8A / 240VAC 2.8A / 240VAC 3.6A / 240VAC 5.4A / 240VAC
Leakage Current					For earth < 1mA / 240VAC	
Protection	Short Circuit					Current limit < 1A (30 seconds)
	Over Voltage					17.5V ± 1%, protection type: shutdown output (recovery after resetting AC power ON)
	Over Temperature					Battery over temperature 52 ± 5°C (optional device-COTEK temperature sensor), connect on CN3 Protection type: Auto recovery after heat sink temperature goes down to 50°C
Function	Alarm Signal					NC. / NO. relay contact output
	Power Mode					Supply 13.2V current limit output voltage
	Temperature Compensation					-10mV / 0.5°C with COTEK temperature sensor
	Charging Sleep Mode <small>Note 1</small>					By remote controller and S1-4 DIP switch
	Remote Controller					CR-1

MODEL	CX1215	CX1225	CX1235	CX1250	CX1280	
Environment	Working Temp.					-20°C ~ 50°C (refer to output load de-rating curve)
	Working Humidity					20~90% RH non-condensing
	Storage Temp., Humidity					-40°C ~ 85°C, 20 ~ 90% RH
	Temperature Coefficient					± 0.03% (0~50°C)
	Vibration					10~500Hz, 2G 10 min. / 1cycle period for 60 min. each along X, Y, Z axes
Safety & EMC	Safety Standard					Certified EN 60335-1, EN 60335-2-29
	Withstand Voltage					I/P-O/P: 4242VDC, I/P-FG: 1768VDC, O/P-FG: 700VDC
	Isolation Resistance					I/P-O/P: 100M Ohms / 500VDC
	EMI Conduction & Radiation					Certified EN 55022; EN 61204-3; EN 55014-1
	Harmonic Current					Certified EN 61000-3-2, -3-3; EN 61204-3; EN 61000-6-3
Other	Dimension (WxHxD)					183x72x243 mm 183x72x243 mm 183x72x263 mm 213x77x272 mm 213x77x312 mm
	Weight					1.6kg 1.7kg 1.9kg 3.1kg 4.0kg
Note	1. When use sleep mode, please refer to charging current v.s. heat sink temperature de-rating curve. 2. The charger is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 3. All parameters not specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 4. Before charging, make sure the battery charger and battery specifications are compatible.					

Mechanical Drawings

Unit: mm [inch]



Features

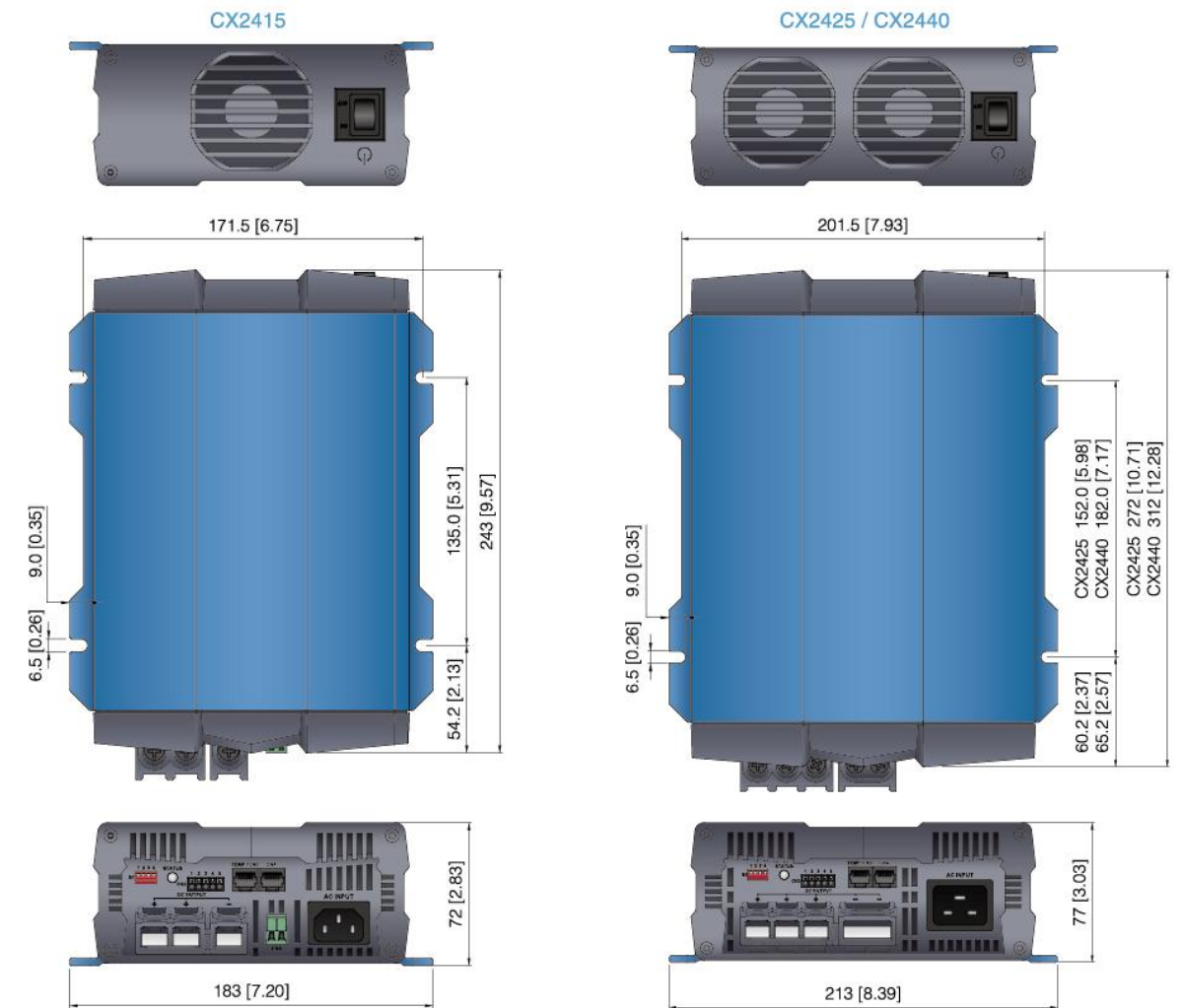
- Universal AC input with active PFC
- Suitable for lead acid, Li-ion, Gel and AGM batteries
- 3-stage charging mode
- Dry contact for alarm
- Support RS-485 / RS-232 communication protocol
- Voltage temperature compensation
- 2 stage fan speed control (sleep mode)
- High efficiency and high reliability
- Built-in battery rescue function
- Built-in Engine Start Battery (ESB) output function
- Protection: Short Circuit / Over Voltage / Over Temperature / Brown-out
- Withstand 2G vibration test
- CE approved



MODEL		CX2415	CX2425	CX2440
Safety & EMC	Safety Standards	Certified EN 60335-1, EN 60335-2-29		
	Withstand Voltage	I/P-O/P: 4242VDC, I/P-FG: 1768VDC, O/P-FG: 700VDC		
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC		
	EMI Conduction & Radiation	Certified EN 55022; EN 61204-3; EN 55014-1		
	Harmonic Current	Certified EN 61000-3-2, -3-3; EN 61204-3; EN 61000-6-3		
Note 2	EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11; ENV 50204; EN 61000-6-1; EN 55014-2		
Other	Dimension (WxHxD)	183x72x243 mm	213x77x272 mm	213x77x312 mm
	Weight	1.6kg	2.9kg	3.9kg
Note	1. When use sleep mode, please refer to charging current v.s. heat sink temperature de-rating curve. 2. The charger is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 3. All parameters not specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 4. Before charging, make sure the battery charger and battery specifications are compatible.			

Mechanical Drawings

Unit: mm [inch]



MODEL		CX2415	CX2425	CX2440
Output	Battery Type	Lead Acid / Li-ion / Gel / AGM		
	Standard Boost Charge Voltage	28.8V / 29.4V (select by switch)		
	Standard Float Charge Voltage	27.6V / 27V (select by switch)		
	Main Rated Current	12.5A	25A	40A
	Current Range	0~12.5A	0~25A	0~40A
	Main Output	2	3	3
	Battery Charging Mode	3 stage charging capability		
Input	Single Output Current Limit	12.5A	25A	40A
	Voltage Range	90~264VAC		
	Power Factor (Typ.)	PF > 0.92 at full load		
	Frequency Range	47~63 Hz		
	Efficiency (Typ.) at 230VAC	90%	90%	90%
	AC Current (Typ.)	4.2A / 100VAC 1.7A / 240VAC	8.3A / 100VAC 3.6A / 240VAC	13.3A / 100VAC 5.4A / 240VAC
	Leakage Current	For earth < 1mA / 240VAC		
Protection	Short Circuit	Current limit < 1A (30 seconds)		
	Over Voltage	35V ± 1%, protection type: shutdown output (recovery after resetting AC power ON)		
	Over Temperature	Charger over temperature 100 ± 5°C detected by heat sink Battery over temperature 52 ± 5°C (optional device-COTEK temperature sensor), connect on CN3 Protection type: Auto recovery after heat sink temperature goes down to 50°C		
Function	Alarm Signal	NC. / NO. relay contact output		
	Power Mode	Supply 26.4V current limit output voltage		
	Temperature Compensation	-10mV / 0.5°C with COTEK temperature sensor		
	Charging Sleep Mode	By remote controller and S1-4 DIP switch		
Environment	Remote Controller	CR-1		
	Working Temp.	-20°C ~ 50°C (refer to output load de-rating curve)		
	Working Humidity	20~90% RH non-condensing		
	Storage Temp., Humidity	-40°C ~ 75°C, 20 ~ 90% RH		
	Temperature Coefficient	± 0.03% (0~50°C)		
	Vibration	10~500Hz, 2G 10min. / 1cycle period for 60 min. each along X, Y, Z axes		

Features

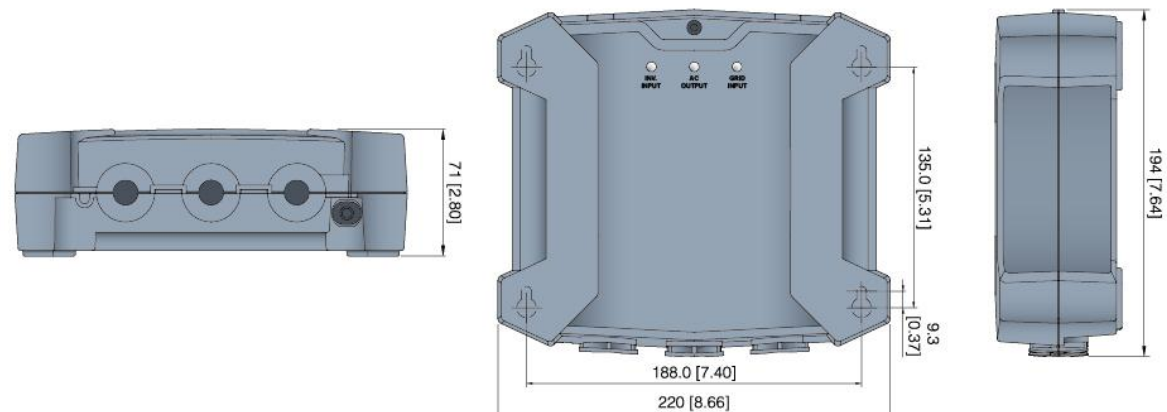
- Transfer switch box for SP series
- Power consumption < 1.4W
- Universal AC input / Full range
- Cooling by free air convection
- Bypass current up to 40 amps
- Easy to use
- High transfer speed



MODEL		TR-40A	TR-40B
Contact Rating	Max. Switching Voltage	277VAC	
	Max. Switching Current	40A	
	Max. Switching Power	11000VA	
	Switching time	Inverter to GRID	10mS
GRID to Inverter		60mS	
Control	Voltage Range	100~240VAC	
	AC Current (Typ.)	21mA / 100VAC, 16mA / 240VAC	
	Frequency Range	47~63Hz	
	Power Consumption	<1.4W (at no load)	
Protection	Wiring Errors	LED	
	Grid Overload	Circuit breaker (40A)	
Environment	Working Temp.	-20°C ~ 40°C	
	Working Humidity	20~85% RH non-condensing	
	Storage Temp. & Humidity	-40°C ~ 85°C, 20 ~ 85 % RH	
	Vibration	10~500Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X,Y,Z axes	
Safety & EMC	Safety Standards	Certified EN 60947-1; EN 60947-6-1	
	EMI	Certified EN 55022	
	Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2, EN 61000-3-3	
	EMS Immunity	Certified EN 55024, IEC 61000-4-2, 3, 4, 5, 6, 8, 11	
Other	Relay Quantity	2	4
	Dimension (WxHxD)	220x71x194 mm / 8.66x2.80x7.64 inch	
	Packing	0.96kg; 6pcs / 8kg / 2.51CUFT	

Mechanical Drawings

Unit: mm [inch]



Description	Features	Photo	Model Name	Dimension (WxHxD)	Length	Application		
Remote Control	<ul style="list-style-type: none"> • Remote access via user friendly interface • ROF (Remote Override Function) / Ignition lockout function 		CR-1	57.0x73.5x26.5 mm 2.24x2.89x1.04 inch	10' / 25'	CX Series		
			CR-5	57.0x73.5x26.5 mm 2.24x2.89x1.04 inch	10' / 25'	S1500		
			CR-6	130x120x26 mm 5.12x4.72x1.02 inch	10' / 25'	SD Series		
			CR-8	57.0x73.5x26.5 mm 2.24x2.89x1.04 inch	10' / 25'	SP Series, SD Series		
			CR-10	92.0x92.0x30.5 mm 3.62x3.62x1.20 inch	10' / 25'	SD Series		
			CR-16A	98.0x85.0x25.6 mm 3.86x3.35x1.01 inch	10' / 25'	SP Series		
			CR-16B	98.0x85.0x25.6 mm 3.86x3.35x1.01 inch	10' / 25'	SL Series, SC Series		
			CR-20	149x98x23 mm 5.87x3.86x0.91 inch	10' / 25'	SL Series, SC Series		
		Rack	<ul style="list-style-type: none"> • 19" 2U high rack mount (Max. 4 hot-pluggable modules) • Parallel connection up to 8 shelves • Easy installation and maintenance 		SR-1600 Rack	446x85x509 mm 17.56x3.35x20.04 inch	—	SR-1600
		Temperature Sensor	—		Temperature Sensor	(Temperature Sensor Box) 22.6x12.0x82.2 mm 0.89x0.47x3.24 inch	25'	CX Series

Switching Mode Power Supply

COTEK is committed to providing proactive service, innovative technology and total quality assurance since we were established in 1986. COTEK is a technology-oriented company focusing on developing, designing and manufacturing products including:

AC / DC Switching Mode Power Supply — 5 Watts ~ 3,000 Watts, LED Driver, DC/AC Pure Sine Wave inverter — 150 Watts ~ 4,000 Watts, Inverter / Charger, and Battery Charger. Please contact with our Sales representative to request for our new catalog, or visit our website: <http://www.cotek.com.tw>

Medical Series

ME-1200 Enclosed Type 1200W



- Programmable output voltage / current (0 ~ 105%)
- Constant current limit
- Global control via RS-232
- Remote setting multiple PSU via RS-232 & I²C
- Selectable auxiliary output 5V / 0.5A or 8V / 0.3A
- Isolation class 1 / 2xMOPP / BF

ME Series Modular Type 5~20W



- Green design / No load power consumption < 0.3W
- Withstand 2G vibration test
- Isolation class II / 2xMOPP / BF

MP series On-Board Type 5~450W



- Single & Dual output
- Withstand 2G vibration test
- Isolation class II (only 5~20 Watts) / 2xMOPP / BF

Industrial Series

AE / AEK Series Enclosed Type 800~3000W



- Programmable output voltage / current (0 ~ 105%)
- Constant current limit
- Global Control via RS-232
- Remote setting multiple PSU via RS-232 & I²C
- Selectable Auxiliary output 5V / 0.5A or 9V / 0.3A

Security Series

QE / QP Series Security Solution 75/100/155W



- Dual & triple outputs
- Auto switch when power off (UPS function)
- Constant current limit
- Alarm signal for AC OK & Battery low
- Protection: SCP, OLP, OVP, Battery low and Battery Polarity
- Withstand 2G vibration test

Industrial DIN Series

DN Series DIN Rail Type 10~100W



- UL508 / UL1310 class 2 / LPS / EN60950 Certified
- DIN Rail TS-35 / 7.5 or 15
- Brown-out protection

DV Series DIN Rail Type 150~480W



- UL508 / EN60950 Certified
- 150% peak load capability
- Selectable peak load mode
- DIN Rail TS-35 / 7.5 or 15

LED Driver

**ODM
Welcome**

- Universal input 100~240VAC
- Wide output DC range 60~130VDC
- High efficiency up to 92%
- PWM dimmer function (adjustable output current range: 30~100%)



COTEK ELECTRONIC IND. CO., LTD

Extend Your Enjoyable Time