

Project		Catalog #		Type	
Prepared by		Notes		Date	



Sure-Lites

INV-T Series

Three Phase Systems
4.8KVA/KW to 50KVA/KW

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

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Product Certification



Top Product Features

- Three Phase Pure Sine Wave Inverter
- 4.8 kVA/KW to 50 kVA/KW output
- UL924 listed with self-diagnostics standard
- Internal maintenance bypass switch
- Supports all lamp sources and LED loads
- Front access, maintenance free VRLA batteries

General Specifications

Model Number	UPS Electronics Module						Cabinet Dimensions (90 min run)				Batteries				Battery Module				
	Power Rating (kVA)	Power Rating (kW)	Efficiency (@ full load)	Audible Noise (dBA @ 1m)	Heat Loss (BTU)	Width (in / cm)	Height (in / cm)	Depth (in/cm)	Weight (lbs/kg)	Total Battery Weight (lbs/kg)	No. of Batteries	Voltage (VDC)	Current (Amperes)	Run Time (mins)	Width (in/cm)	Height (in/cm)	Depth (in/cm)	Weight (lbs/kg)	Total System Weight (lbs/kg)
	INV-T5	4.8	4.8	97	45	326	30/77	47/120	25/64	535/243	888/403	12	144	39	90	30/77	47/120	25/64	210/96
INV-T6	6.0	6.0	97	45	408	30/77	47/120	25/64	535/243	1110/504	15	180	39	90	30/77	47/120	25/64	210/96	1855/842
INV-T8	8.0	8.0	97	45	544	30/77	47/120	25/64	535/243	1480/672	20	240	39	90	30/77	47/120	25/64	232/106	2247/1020
INV-T10	10.0	10.0	97	45	680	30/77	47/120	25/64	639/290	1776/806	24	144	81	90	30/77	47/120	25/64	420/191	2835/1286
INV-T12	12.5 ⁽¹⁾	12.5	97	45	850	30/77	47/120	25/64	639/290	2220/1007	30	180	81	90	30/77	47/120	25/64	420/191	3279/1488
INV-T16	16.7 ⁽¹⁾	16.7	97	45	1136	30/77	47/120	25/64	639/290	2960/1343	40	240	81	90	30/77	47/120	25/64	464/211	4063/1843
INV-T24	24.0	24.0	97	45	1632	44/112	72/183	31/79	1250/567	4440/2014	60	240	117	90	48/122	72/183	31/79	700/318	6390/2899
INV-T33	33.0 ⁽¹⁾	33.0	97	45	2244	44/112	72/183	31/79	1250/567	6080/2758	80	240	160	90	48/122	72/183	31/79	1300/590	8630/3915
INV-T40	40.0 ⁽¹⁾	40.0	97	45	2720	44/112	72/183	31/79	1450/658	7400/3357	100	240	194	90	48/122	72/183	31/79	1300/590	10150/4604
INV-T50	50.0 ⁽¹⁾	50.0	97	45	3400	44/112	72/183	31/79	1450/658	9120/4137	60	240	243	90	48/122	72/183	31/79	1400/635	11980/5434

For 120min sizing reach out to Surelite Tech support.

Notes: (1) Two battery cabinets required. All other require one battery cabinet.

Order Information

SAMPLE ORDER NUMBER: INV-T-5-A-S-A2007-F-T-S-2YW

Series	Phase	KVA/KW	Voltage Input/Output	Battery Type	Run Time
INV=Inverter	T=Three Phase	5=4.8 6=6.0 8=8.0 10=10.0 12=12.5 16=16.7 24=24.0 33=33.0 40=40.0 50=50.0	A=120/208-120/208 B=277/480-277/480	S=Standard (10 year) G=Long Life (20 year)	[Blank]=90 min 120=120 min ⁽²⁾
			Notes (1) Other voltages available. Contact factory.	Notes (2) 120 min run time not available on 50.0KVA unit.	

Output Breakers			Options	Warranty
Output Breakers ^{(3), (4)}			Options	Warranty ⁽⁹⁾
Pole A=1-Pole B=2-Pole C=3-Pole	Amp Rating (Distribution Breakers) ⁽⁵⁾ 10, 16, 20, 25, 32, 40, 50, 63	Quantity 01-24 ⁽⁴⁾	A=Remote Summary Alarm Panel C=Status Monitoring Dry Form C Contacts F=Fast Charge I=Inverter on Dry Form C Contacts S=Summary Dry Form C Contacts T=Output Trip (Supervised) Alarm Z=Seismic Mounting ⁽⁶⁾ EMBP=External Maintenance Bypass ⁽⁷⁾ O=Output transfer delay, 3 seconds DT=Drip Top L=Load Control Relay (Contact factory for available quantities & review application) P=Remote Status Panel ⁽⁸⁾ Can only have one of following options: R=Remote Meter Panel SEA=Serial to Ethernet Adapter (RJ45) BAC=BACnet Communications (MSTP) BIP=BACnet Communications (IP) MIP=Modbus TCP/IP MOD=Modbus RTU	ZYW=Startup & Same Day Training SYP=5-Year Preventative Maintenance Plan, Startup must be included SYW=5-Year Extended Electronics Warranty (requires factory start up) SMP=Service Monitoring Plan
Notes (3) Contact factory for "Normally Off" output option. (4) Maximum output breakers available: 4.8k up to 16.7k systems - 12 unsupervised (1-pole), 8 supervised (1-pole), 24k up to 50k systems-36 unsupervised (1-pole), 30 supervised (1-pole). Combinations of 1, 2 and 3 pole breakers available (consult factory). (5) Higher Amp ratings available - contact factory.			Notes (6) Anchorage based on calculations. (7) Only main 3-pole output breaker available. Distribution to be external. (8) Requires option C.	Notes (9) One year warranty is standard.

Product Specifications

Standard Features

- 97% Efficient (typical)
- UL 924 Listed
- PWM/IGBT Technology
- Micro-Processor Control
- User Programmable with Password Protection
- Automatic Event & Alarm Log
- RS232 Communications Port
- Input Circuit Breaker
- Low Audible Noise
- Internal Battery Circuit Breaker/Fuse

Optional Features

- BACnet (MS/TP) or (IP)
 - MODbus (TCP/IP) or (RTU)
 - External Maintenance Bypass
 - Summary Form C Contacts
 - Remote Meter Panel
 - Output Circuit Breakers
 - Remote Meter Panel
 - Extended Factory Warranty
 - Factory Startup & Training
- (For complete Options list see Ordering Information table above)

Specifications

- Input 120/208 Or 277/480 VAC 3 Phase 4 Wire Wye Configuration
- Output 120/208 or 277/480 VAC 3 Phase Wye Or Delta Configuration
- Output Load Power Factor .5 Lag to .5 Lead
- Electronic & Magnetic Ballast Compatible
- Output Distortion Less Than 3% THD For Linear Loads
- Forced Air Cooling Only During Emergency Operation, No Filters Required
- Generator Compatibility (10x inverter rating required)
- 90 Minute Runtime Standard; Other Runtimes Available upon Request (only 90 or 120 mins. available)

Dimensions

Electronics Cabinets only shown.
See general specification for required
battery cabinet(s) required.

**Electronics Cabinet Models
4.8KVA to 16.7KVA***



**Electronics Cabinet
Models 24KVA to 50KVA***

