













## CE-SolarStore

EcoBoost RESS adopts the modular-based design, supporting both all-in-one and standalone installations via the optional electrical box, which makes it suitable for a wide range of installation locations.

-  Low-voltage-architecture design for home safety
-  45 minutes fast charging from 10% to 85% SOC
-  Adjustable AC power from 3kW to 6kW via APP
-  On-grid & Off-grid applications
-  Optional electrical box for flexible installation
-  DC & AC coupled
-  5kWh ~ 25kWh expandable capacity
-  Built-in EPS, no extra EPS/ATS box needed
-  Bluetooth and WiFi based APP
-  True 100% full power EPS output during off-grid
-  Optional built-in heater for cold weather
-  10-year warranty for the whole system



### Hybrid Inverter S3.68/4.6/5/6 Specification

GENERAL	3.68kW Inverter	5kW Inverter
Max. operation altitude	4000m	
Noise emission	<35dB	
Ingress protection degree	IP65	
Operating temperature range	-25~+60°C	
Relative humidity	0-100%	
Cooling concept	Natural Cooling	
Mounting	Wall Bracket	
Dimensions (W*H*D)	515mm*485mm*175mm	
Weight	25KG	
Display	LED & APP	
Communication Interface	RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Bluetooth, WiFi/GPRS/LAN	
Warranty	5 Years (Standard) / 10 Years (Optional)	
Grid	VDE-AR-N4105, IEC 61727, 62116, AS 4777.2, EN 50549-1, G98, G99, G100, CEI 0-21, NRS 097-2-1	
Safety	IEC 62109-1&2, IEC 62040-1, IEC 62477-1	

## Hybrid Inverter S3.68/4.6/5/6 Specification

INPUT (PV)	3.68kW Inverter	5kW Inverter
Max PV Power	9000W	9000W
Max PV Voltage	550V	550V
Max Input Current (Per MPPT)	15A	15A
Max Short Current (Per MPPT)	20A	20A
Start Operating Voltage	90V	90V
MPPT Voltage Range	70V - 520V	70V - 520V
Number of MPPT	2	2
String Per MPPT	1	1

INPUT (BATTERY)	3.68kW Inverter	5kW Inverter
Compatible Battery Type	Lithium-ion (LFP)	Lithium-ion (LFP)
Nominal Battery Voltage	51.2V	51.2V
Battery Voltage Range	40V - 60V	40V - 60V
Max. Charge/discharge Current	120A/120A	120A/120A
Max. Charge/discharge Power	3680W/3680W	3680W/3680W

AC OUTPUT (GRID)	3.68kW Inverter	5kW Inverter
Nominal AC output power	3680W	5000W
Max. AC output apparent power	3680VA	5000VA
Max. AC output current	16A	23.9A
Rated AC voltage	230V	
AC voltage range	150V-300V (Adjustable)	
Rated grid frequency	50Hz/60Hz	
AC frequency range	45Hz-55Hz/55Hz-65Hz (Adjustable)	
Grid connection	Single Phase	
Power factor	>0.99 @rated power (Adjustable 0.8 LD-0.8 LG)	
THDI	<3% (Rated Power)	

AC OUTPUT (BACKUP)	3.68kW Inverter	5kW Inverter
Nominal output voltage	230V	230V
Nominal output frequency	50Hz/60Hz	50Hz/60Hz
Nominal output power	3680W	5000W
Nominal output current	16A	21.7A
Transfer time	10ms	10ms
THDV	<3% @100% R Load	<3% @100% R Load

EFFICIENCY	3.68kW Inverter	5kW Inverter
Max. Efficiency (PV to AC)	97.3%	97.3%
Max. Efficiency (BAT to AC)	94.0%	94.0%

## Battery Pack S5.1 Specification

Electrical	
Capacity	5.12kWh/100Ah
Nominal voltage	51.2V
Operating voltage range	43.2-58.4V
Depth of Discharge	0.9
Max. charge/discharge power	5.12kW
Max. charge/discharge current	100A/100A
Cycle life	8,000 cycles [90% DOD 25°C]

General	
Cell Technology	Lithium-ion (LFP)
IP Protection	IP65
Dimensions (W*H*D)	515*400*205mm
Weight	58kg
Warranty	10 Years
Operating Temperature Range	-20 ~ +55°C
Certification	IEC62619/IEC61000-6-1~4 /CEI0-21/CE/UN38.3/MSDS

