All In One Solar Generator
ECHO Series

aurora
OPTOELECTRONIC



Features

- PV charge, inverter, BMS and battery all in one design, convenient use
- Pure Sine Wave Output
- 4 DC5.5*2.1, 12V output port with maximum power 100W, which can meet the use of 12V DC equipment
- 4 USB-A port outputs, c onvenient for charging mobile phones
- MPPT — 1200W PV MPPT Charging Module, LiFePO4 Battery Safe And Long Lifespan
- LCD human-computer interaction, friendly and intuitive

Datasheet

Model	ECHO-3	ECHO-4
System Specitification		
AC Iutput Frequency and Voltage	45-65Hz; 90~280V±5V; L+N+PE	
Nominal Output Power	1500VA	2000VA
AC Output Frequency and Voltage	50-60Hz; L+N+PE; 220/230Vac	
Grid Type	Single-phase	
Rated Battery Energy	3.0kWh	4.0kWh
Max. Charging Current	140A	150A
Battery Operating Voltage	22.4-28 V	
Battery Type	LiFePO4	
Altitude	≤2000m	
Protection Level	IP20	
Installation	Wall-mounted Installation	
Warranty Period	Two years(0.5C charge/Discharge @25°C， 80% DOD)	
Inverter Technical Specitification		
Max. PV Input Power	1200W	
Max. PV Input Current	15A	
Max. PV Charge Current	100A	
MPPT Voltage Range	18-110VDC	
No. of MPP Tracker	1	
Battery Technical Specification		
Nominal Capacity	230Ah	314Ah
Nominal Voltage	12.8V	12.8V
Recommend Charge/Discharge Current	115A	165A
Max. Continuous Charge/Discharge Current	130A	200A
Peak Charge/Discharge current(@10s)	150A	210A
DC Output Specitification		
DC-5521	4*12V Total 100W	
USB Type-A	4*5V 2A	
Other Specitification		
Working Temperature Range(Charge)	0 ~ +55°C	
Working Temperature Range(Discharge)	-10°C ~ +50°C	
Storge Temperature Range(One Month)	-10°C ~ +45°C	
Storge Temperature Range(Six Months)	-10°C ~ +35°C	
Cycle Life（@25°C）	≥8000 Cycles	
Display	LCD+LED	
Protection	Built-in smart BMS	
Certification	UN38.3 EMC	
Product Dimension	500*400*180mm±5mm	550*450*180mm±5mm
Package Dimension	605*455*235mm±5mm	605*505*235mm±5mm
Product Weight Approximate	32.5kg±1kg	40.5kg±1kg
Package Weight Approximate	35.5kg±1kg	43kg±1kg

***Test conditions: 0.5C charge/discharge, @25°C, 80% DOD; product specifications are subject to change without prior notice.**