All In One Solar System
ECHO-16



Features

- **Powerful Battery Manage System**
- **≥8000 Cycles**
- **Integrated design, integrating battery and inverter**
- **Safe And Long Lifespan**
- **Flexible And Convenient Installation**
- **Reliable Performance**

Datasheet

Model	ECHO-16
System Specification	
Nominal Output Power	8000W
AC Output Frequency and Voltage	50/60Hz; L+N+PE; 220/230Vac
Grid Type	Single-phase
Energy Range	16kWh
Maximum AC charging current	150A
Maximum PV charging current	150A
Battery Operating Voltage	44.8-56 V
Battery Type	LiFePO4
Altitude	≤1000m
Protection Level	IP20
Installation	Floor Mounting(It is movable with casters)
Warranty Period	Two years(0.5C charge/Discharge @25°C, 80%DOD)
Inverter Technical Specification	
Max. PV Input Power	2*6500W
Max. PV Input Current	150A
Max. PV Charge Current	150A
Rated PV Input Voltage	90-500VDC
Best VMP Working Range	360-430VDC
No. of MPPT Tracker	2
Battery Technical Specification	
Nominal Capacity	314Ah
Nominal Voltage	51.2V
Recommend Charge/Discharge current	100A
Max. continuous charge/Discharge current	200A
Peak Charge/Discharge current(@10s)	210A
Display type	LED
Working Temperature Range(Charge)	0°C ~ +55°C
Working Temperature Range(Discharge)	-10°C ~ +55°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
Protection	Built-in smart BMS
Certification	UN38.3
Product Dimension Approximate(L*W*H)	830*280*1010mm±10mm
Package Dimension Approximate(L*W*H)	880*320*1155mm±10mm
Product Weight Approximate	185kg±1kg
Package Weight Approximate	198kg±1kg

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

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