



EOH48 Series

Horizontal Energy Storage System

RS-EOH48-5.0U-S1

RS-EOH48-10.0U-S1

RS-EOH48-15.0U-S1

RS-EOH48-20.0U-S1

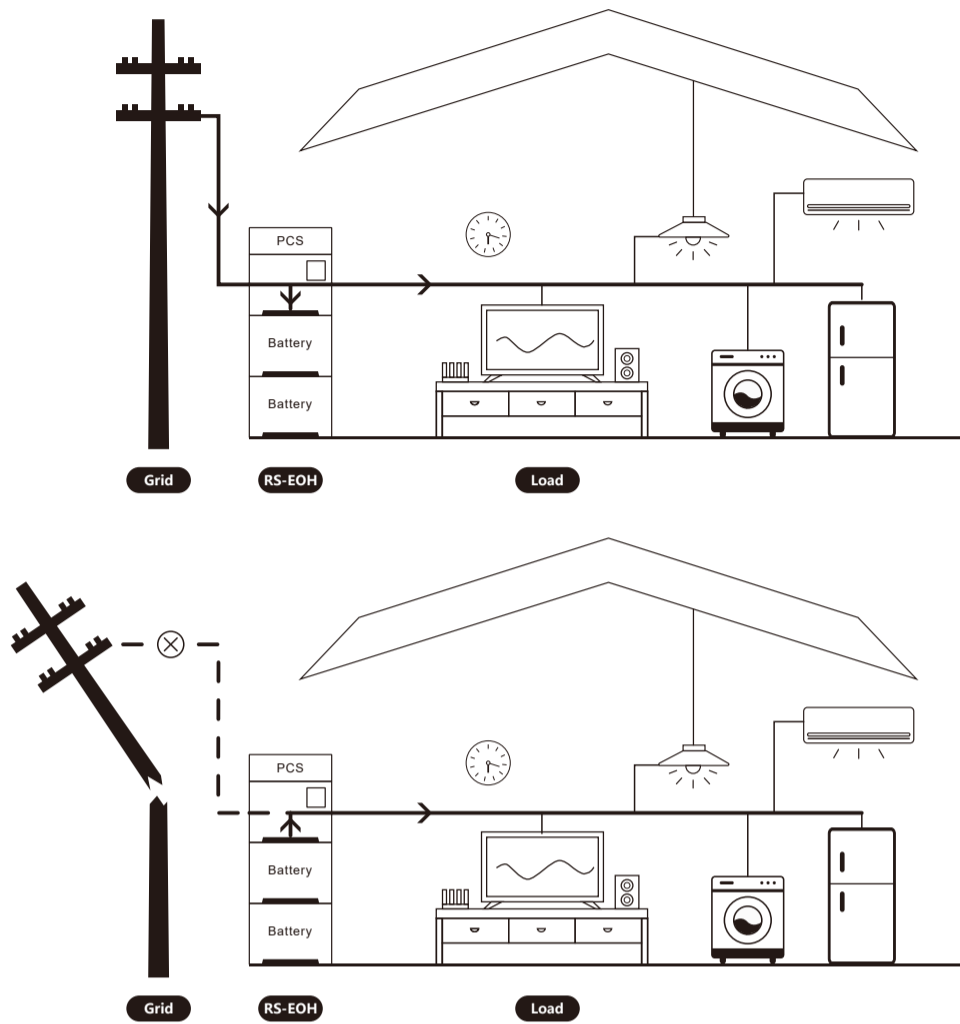
PARAMETER SPECIFICATION



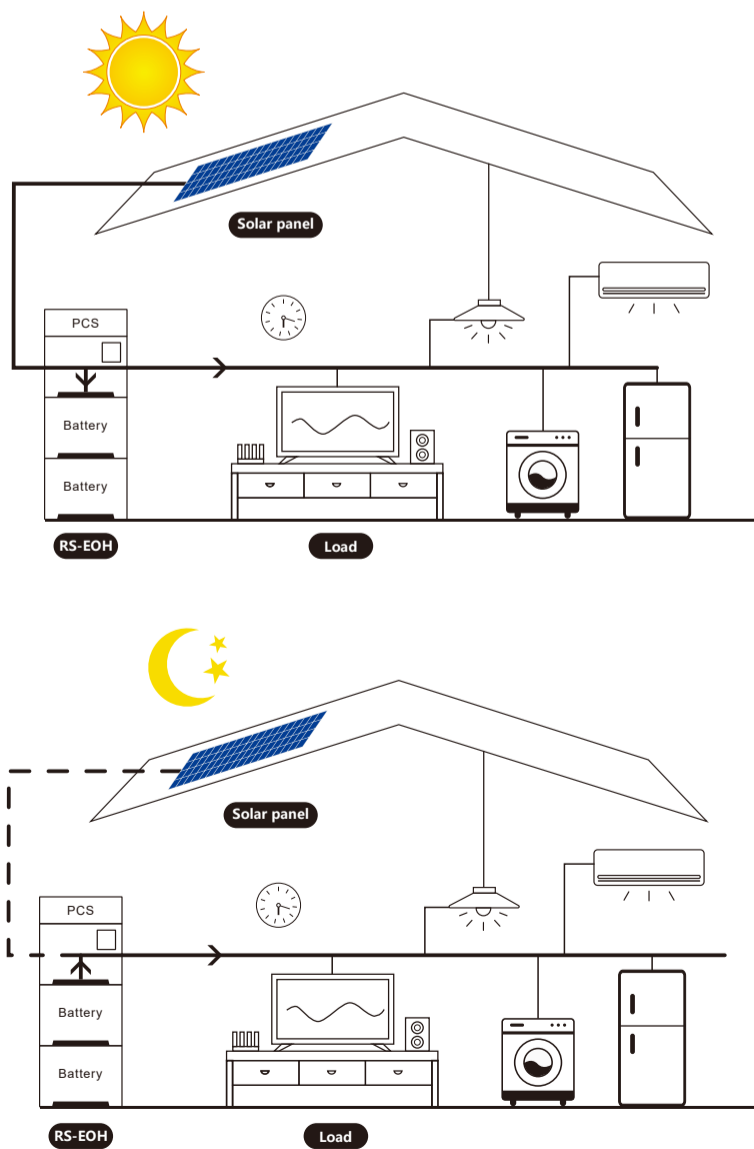
	RS-EOH48-5.0U-S1	RS-EOH48-10.0U-S1	RS-EOH48-15.0U-S1	RS-EOH48-20.0U-S1
BATTERY	RS-H4850A-EO			
Battery Module	1	2	3	4
Battery Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Battery Capacity	100AH	200AH	300AH	400AH
Weight	80kg	133kg	186kg	239kg
Dimension L×W×H	710×450×384	710×450×576	710×450×768	710×450×960
Battery Type	LiFePO4			
Battery Rated Voltage	51.2V			
Battery Working Voltage Range	44.8~57.6V			
Maximum Charging Current	100A			
Maximum Discharging Current	100A			
DOD	80%			
Parallel Quantity	4			
Designed Life-span	6000			
Operating Temperature	Charge: 0 ~ 45°C Discharge: -10 ~ 45°C			
Operation Humidity	5%~85%			
Nominal Operation Altitude	< 2000m			
Cooling Mode	Force-Air Cooling			
Noise	60dB(A)			
Ingress Protection Rating	IP20			
Recommended Operation Environment	Indoor			
Installation Method	Horizontal			
INVERTER TECHNICAL SPECIFICATION	RS-H4850U-CO			
PV CHARGE	MPPT			
Solar Charge Type	MPPT			
Maximum Output Power	5KW			
PV Charging Range	0~80A			
PV Operating Voltage Range	120~500A			
MPPT Voltage Range	120~450V			
AC CHARGE	2100W			
Maximum Charge Power	2100W			
AC Charging Current Range	0~40A			
Rated Input Voltage	110/120Vac			
Input Voltage Range	90~140Vac			
AC OUTPUT	5KW			
Rated Output Power	5KW			
Maximum Output Current	50A			
Frequency	60Hz			
Overload Current	55A			
BATTERY INVERTER OUTPUT	5KW			
Rated Output Power	5KW			
Maximum Peak Power	10KVA			
Power Factor	1			
Rated Output Voltage (Vac)	120Vac			
Frequency	60Hz			
Auto Switch Period	< 15ms			
THD	< 3%			
GENERAL DATA	RS485/CAN/WIFI			
Communication	RS485/CAN/WIFI			
Storage time / temperature	6 months @25°C;3 months @35°C;1 months @45°C;			
Charging temperature range	0~45°C			
Discharging temperature range	-10~45°C			
Operation Humidity	5%~85%			
Nominal Operation Altitude	< 2000m			
Cooling Mode	Force-Air Cooling			
Noise	60dB(A)			
Ingress Protection Rating	IP20			
Recommended Operating Environment	Indoor			
Installation Method	Horizontal			
Certification	UN38.3,MSDS,EN55032,EN55024,EN61000-3-2,EN61000-3-3			

CLASSIC WORKING MODE

Without PV Panel

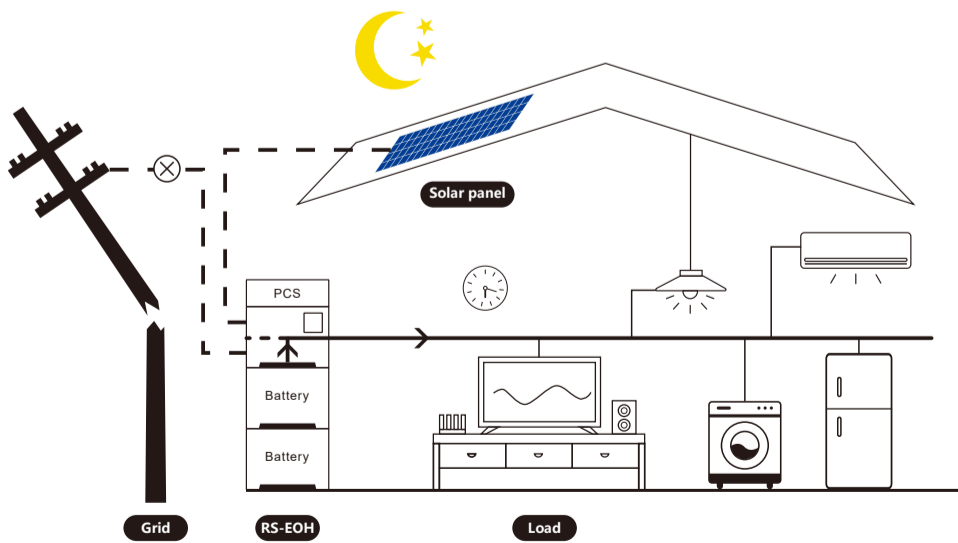
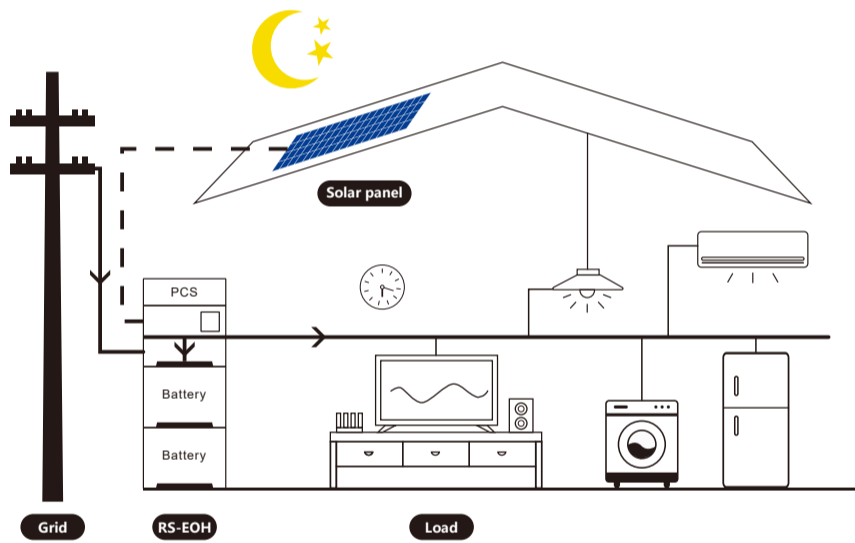
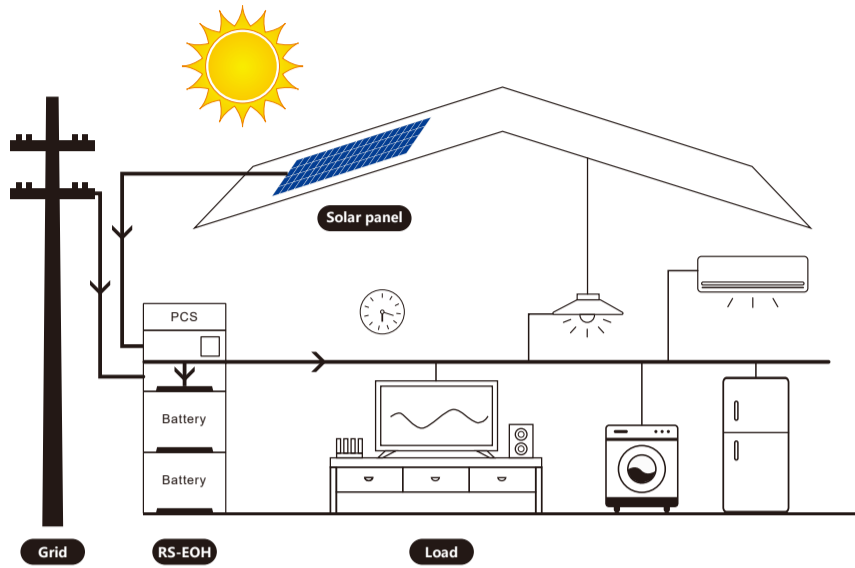


Without Grid



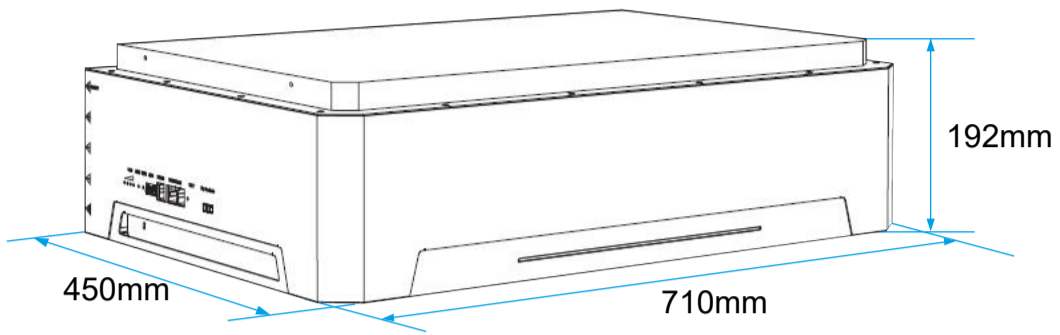
CLASSIC WORKING MODE

Complete system

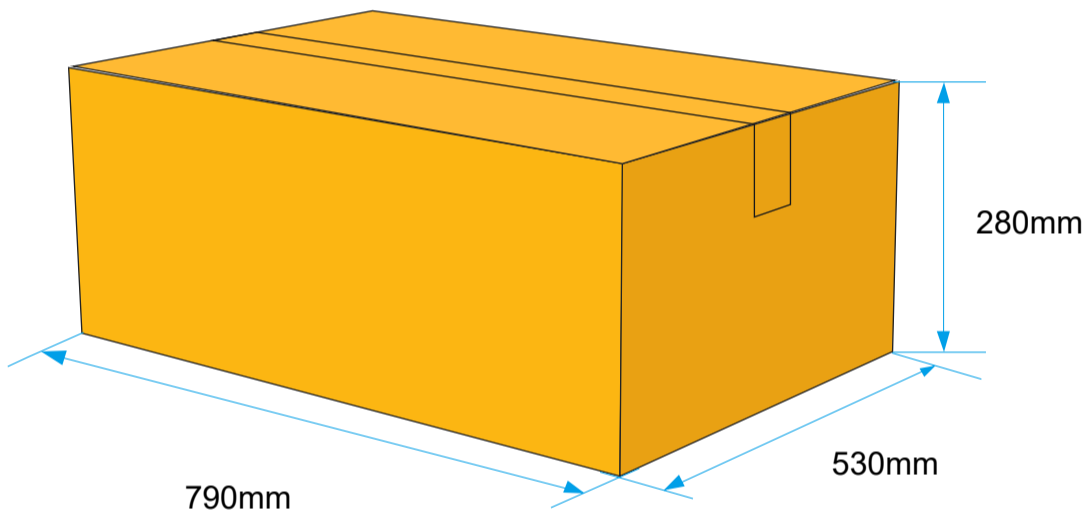


PACKAGE DIMENSIONS

The external dimensions of the energy storage battery module and power module are 710*450*192.



The packaging size of a single energy storage battery module and pcs module is 790*530*280.



The energy storage battery module and PCS module are packed in wooden cases with the size of 1300*1300*1180, the number of packs is 16 PCS, and the total weight is 900 Kg.

