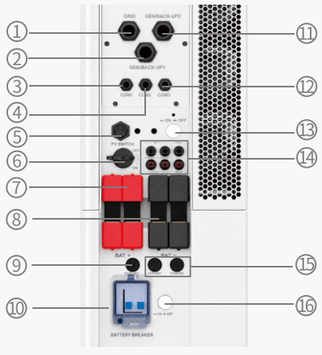
400V/230V Three Phase All-in-One ESS
15KW - 32KWH



Features

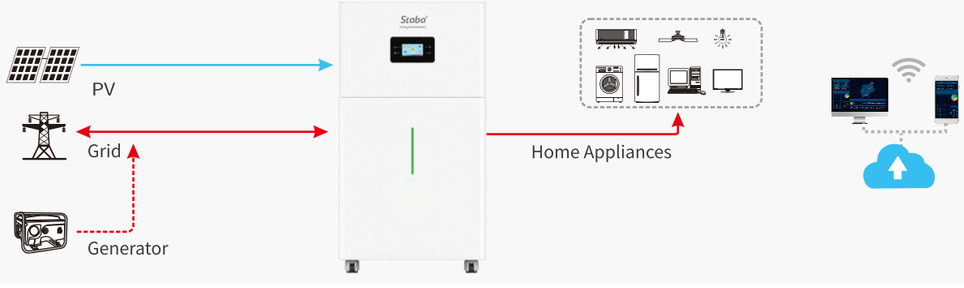
- All-in-one compact size ESS.
- Grade A LiFePO4 cells, support long life cycle (> 6000 cycles @25 °C, 0.2C 80% DOD).
- Smart Touch LCD settings (working mode, charging current, charging voltage, etc).
- Complete protection functions.
- Supports RS485, CAN, WiFi / GPRS monitoring.
- Supports a maximum of 6pcs in parallel operation.

Interface Description



1. Grid Terminal
2. Generator / Backup Port 1
3. Communication Port 1
4. Communication Port 2
5. WiFi / GPRS Port
6. PV Switch
7. Battery Terminal +
8. Battery Terminal -
9. RS485 / BMS Communication Port
10. Battery Breaker
11. Generator / Backup Port 2
12. Communication Port 3
13. Inverter On / Off Switch
14. PV Input Terminal (+,-)
15. Battery Parallel Communication Port
16. Battery On / Off Switch

Solar System Connection



Technical Specifications

MODEL	ESS-15KW-32KWH-EU
BATTERY	
Battery Type	$LiFePO_4$
Battery Energy	32.15 kWH
Rated Battery Voltage	51.2VDC
Battery Voltage Range	40-60VDC
Max. Charging Current	300A
Max. Discharging Current	300A
Cycle Life	> 6000 cycles (25 °C, 0.2C 80% DOD)
Charging Temperature	0°C ~ 55 °C
Discharging Temperature	-22°C ~ 55°C
INVERTER OUTPUT	
Rated Output Power	15000VA / 15000W
Surge Power	30000VA
Output Waveform	Pure sine wave
Rated Output Voltage	Three Phase: 400VAC±5% (L1+L2+L3+N+PE)
Output Frequency	50Hz / 60Hz
Efficiency	>92%
Transfer Time	10ms typically, 20ms max
Overload Capability	100% < load <125% : 5 minutes; 125% < load <150% : 10 seconds; Load >150%: 5 seconds
AC INPUT	
Rated Input voltage	Three Phase: 400VAC
Input Voltage	Three Phase: 260-485VAC (L1+L2+L3+N+PE)
Input Frequency	47-55Hz (50Hz) or 57-65Hz (60Hz) auto sense
SOLAR & AC CHARGING	
No. of MPPT Tracker	2
Max. PV Input Voltage	1000VDC
Max. PV Input Power	30000W
Max. PV Input Current	36A + 18A
MPPT Range	150-800VDC (startup voltage 200VDC)
Max .PV Charging Current	280A
Max AC Charging Current	250A
Max Total Charging Current	280A
OTHER	
Communication	USB, RS485 / CAN, WiFi / GPRS, Dry contact
Parallel Function	Yes, max 6pcs
Cooling	Forced air cooling, intelligent variable speed fan
Noise Level	⩽60dB at 1m distance
Ingress Protection	IP65
OPERATING CONDITIONS	
Operating Temperature	0°C - 50°C
Storage Temperature	0°C ~ 50°C
Operating Humidity	10%-90%, non-condensing
PACKING	
Product Size (W x H x D)	750x1390 x320 mm
Net Weight	300 kgs
Package Size (L x W x H)	1520x870x555 mm
Gross Weight	330 kgs