

AQ Rack-mounted High Voltage Battery Pack

20.48KWH -51.2KWH >>



Product Features

- ◆ **Lithium Iron Phosphate Battery Pack:** 80% DOD (Depth of Discharge), providing over 6000 cycles.
- ◆ **Warranty Period:** 3 years.
- ◆ **High Energy Density:** Compact size, offering long lifespan and enhanced safety.
- ◆ **Solar System Compatibility:** This battery pack is designed for small commercial and industrial solar systems.
- ◆ **Battery Management System (BMS):** Built-in BMS to monitor the battery's operation and prevent it from exceeding design limits.
- ◆ **Expansion Capability:** Easily expandable by adding additional expansion battery packs in parallel.
- ◆ **Customizable Power Support:** Special power options can be customized to meet specific requirements.

Technical specifications

Product Model: AQ	AQ64S100-U	AQ96S100-U	AQ128S100-U	AQ160S100-U
Parameter				
Number of Modules	4	6	8	10
Number of Control Boxes	1	1	1	1
Nominal Voltage	204.8VDC	307.2VDC	409.6VDC	512VDC
Operating Voltage	160-230.4VDC	240-345.6VDC	320-460.8VDC	400-576VDC
Battery Type	LiFePO4 Lithium Iron Phosphate			
Battery Capacity	100AH			
Rated Energy	20.48KWH	30.72KWH	40.96KWH	51.2KWH
Battery Pack Type	64S1P	96S1P	128S1P	160S1P
SOC	10-100%			
Charging Current	0.5C			
Discharge Current	0.5C			
Battery Management System	Multi-point monitoring BMS management system			
Expandable (parallel function)	8 units			
Protect	Battery undervoltage protection/battery overvoltage protection/battery overvoltage recovery voltage/overload power protection/short circuit protection/temperature protection			
Cycle Life (0.5c&25°C)	6000 cycles@0.5C;80%DOD			
Warranty	3 years			
Operating Temperature	Charge: 0-45°C, Discharge: -10-45°C			
Storage Temperature	-20~50°C			
Protection Grade	IP20			
Display	Default no/touch screen(optional)			
Cooling Method	Default natural cooling/air cooling			
Communication	RS232/RS485/CAN communication (can communicate with mainstream inverters on the market)			
Operating Temperature	-10°C ~50°C			
Relative Humidity	0%-95% No condensation			
Related Certificates	MSDS, UN38.3, CE, IEC62619 (Battery)			
Size				
Product Size(L*W*Hmm)	995*540*450	1355*540*450	1715*540*450	2075*540*450
Packing Size(L*W*Hmm)	1100*600*500	1400*600*500	1770*600*500	2110*600*500
Net Weight(kg)	196KG	288KG	384KG	480KG
Gross Weight(kg)	220KG	320KG	414KG	510KG
Volume (m³)	0.33	0.42	0.531	0.633