

Energport 11kWh Pack 48V Low Voltage Battery



Modular and scalable to meet a variety of demanding applications, the Energport low voltage 11kWh pack system utilizes Lithium iron phosphate (LFP) chemistry to provide the highest level of safety, thermal stability, and reliability. An integrated Battery Management System (BMS) monitors, optimizes, and balances the system for total control. Great for Lead Acid battery replacement.

Specification	Parameters	Remark
Usable Battery Capacity	11kW	
Rated Voltage	51.2 VDC	
Operating Voltage	45 - 58.4 VDC	
SOC Operating Range	0 - 100%	
Continuous Charge / Discharge Power	2.5kW	50A
Maximum Continuous Charge / Discharge Power	5kW	100A, 30m
Battery Round Trip Efficiency	95% @.25C	
System Configuration	8P16S	
Operating Temperature	Charging: 0 - 55 °C Discharging: -20 - 50 °C	High temperature (>45 °C), operation would reduce BESS and cell life.
Storage Temperature Range	0 - 30 °C	Recommended 25 °C
Altitude	≤3000m	>3000m, need to reduce power use
Cycle Life	>6000 Cycles	@25 °C, 0.5C, 100%DOD, 70%EOL
Communication	RS485	LAN with an optional gateway
Balancing	Passive	
Size (D x W x H, mm)	190 x 452 x 913	
Weight	108kg	