



PULSE BATTERY PACK 5.12kWh

LiFePO4 Modular Battery Packs
For All-in-One Residential Energy Storage System

BATTERY SPECIFICATIONS	PS-RESS-510EU
ELECTRICAL	
Energy Capacity	5.12 kWh
Battery Type	LiFePO4
Depth of Discharge (DoD)	90%
Rated Voltage	51.2 Volts
Voltage Range	44.8 ~ 56.5 Volts
Cycle Life	10000 cycles (90% DoD, 25°C)
OPERATIONAL	
Max. Charging Current	160A
Max. Discharging Current	200A
Operating Temperature Range	-10°C ~ 55°C (charging) / -20°C ~ 55°C (discharging)
Storage Temperature Range	-30°C ~ 60°C
BMS	
Module Connection	Max. 4 batteries in parallel (Single Phase) Max. 8 batteries in parallel (3hree Phase)
Power Consumption	<2 W
Monitoring Parameters	Systems voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN and RS485
Ventilation Type	Passive and active cooling
GENERAL	
Weight	54 Kg
Dimensions (W x H x D)	540 x 590 x 240 mm
IP Protection	IP65
Warranty	5 year product warranty, 10 year performance warranty (see warranty document for full details)
Safety	Pack: IEC/EN 62619;UN38. Cell: IEC/EN 62619;UN38.3;UL1973