

PRODUCT SPECIFICATION



Model	PM-25R	PM-50R
Basic Parameters		
Nominal Voltage (Vdc)	48	48
Nominal Capacity Ah	50	105
Nominal Energy (kWh)	2.4	5
Discharge Current A (Max)	50	100
Charge Voltage (V)	54	53.5-54.5
Charge Current (A) (Recomm)	25	50
Charge Current (A) (Max)	50	100
Typical Weight (kg)	< 40kg	42 kg
Dimensions (W*D*H) (mm)	466*500*176	466*500*176
Status Indicators	V/I/SOC/ALM/CellV/ Temp	
Communication ports	RS 485 / CAN	RS 485 / CAN
Communication in Parallel	15	16
Switch	Available	Available
Operating Temperature Discharge	-20 ~ 55°C	-10°C ~ 50°C
Charge	-20 ~ 50°C	0°C ~ 50°C
Storage Temperature	-20 ~ 40°C	-20 ~ 55°C
Humidity	<90%	5% ~ 90%
Cycle Life (25 Degree C)	> 4000	6000
Scalability	37.5kw	76.8 kw
Protection	FUSE / BMS	Smart BMS
Resistance	< 0.3mΩ	< 0.3mΩ
Design Life	> 15 Years	< 10 Years
Low Voltage		

PRODUCT SPECIFICATION



Model	Power Max HV1	Power Max HV2
Basic Parameters		
Battery Module Voltage(Vdc)	48	48
Battery Module Capacity(Ah)	50	100
Battery Module Capacity((kWh)	2.4	4.8

Dimension (W*D*H mm)	442*390*100	442*390*132
Weight(kg) / Battery	24	32
Configuration (Max. in 1 battery group)	5~15	5~15
Battery System Voltage(V)	720	720
Battery System Capacity(Ah)	50	100
Battery System Capacity(kWh)	36	72
Depth of Discharge	0.9	
Eciency(@0.5C-rate)	0.92	
Communication	Modbus RTU/CAN	
Short circuit Duration	< 2ms	
IP rating	IP 20	
Operation Temperature(°C)	0~50°C	
Shelf Temperature(°C)	-20~60°C	
Humidity	5%~95%	
Design Life	10+ Years (25°C/77°C)	
Cycle Life	> 8,000 25°C	
Multi-Group	Max. 6 systems in parallel	
	High Voltage	