

2.3. Specifications Performance

2.3.1 Battery Parameters

Table 2-1

Series	iPower Rack
Battery Type	LiFePO4
Model	YL-S48100
Nominal Voltage[V]	48
Nominal Capacity[Ah]	100
Nominal Energy[kWh]	4.8
Max. output Power[kW]	4.8
Net Weight[Kg]	45
Dimension [mm]W*D*H	442*460*178
Working Voltage[V]	40~54
Operating Temperature Charging[°C]	0~55
Operating Temperature Discharging[°C]	-20~60
Max. Charge Current[A]	100
Max. Discharge Current[A]	100
Recommend Charge Current[A]	20
Charge Mode	CC-CV
Communication	CAN/RS485/RS232/Dry Contact
IP Level	IP30
Temperature & Period Storage[°C]	Less than 6 Month@-10°C~35°C
	Less than 3 Month@-10°C~45°C
	Less than 1 Month@-20°C~45°C