

Technical Data Sheet

48V/51.2V LFP Battery packs

Parameters	48V/51.2V 100Ah	48V/51.2V 200Ah	48V/51.2V 300Ah
Nominal Voltage(V)	48/51.2		
Rated Capacity(Ah)	100	200	300
Rated Energy(kWh)	4.8/5.12	9.6/10.24	14.4/15.36
Use able Energy	3.84/4.096	7.68/8.192	12.288
Charging Voltage(V)	52.5/56		
Standard Charging current(A)	50	100	150
Discharging Voltage(V)	42/44		
Standard discharging current(A)	50	100	150
Max discharge current(A)	100	200	300
Operating Temperature	0 to 45°C		
Communication Protocol	RS485 & CAN		
Cooling Method	Forced Air Cooling		
Cycle Life @ 25°C, 80% DOD,0.5C/0.5C	>4000		
Single Module configuration	15S1P/16S1P		
System Configuration	151P	152P	153P
No. of Modules used	1	2	3
Dimension (LXWXH)	470X484X135mm (approx.)	470X484X300mm (approx.)	470X484X450mm (approx.)
Weight (kg)	45 (approx.)	90 (approx.)	135 (approx.)
BMS configuration	16S100Amps , Modular		

Protections	Status
Cell Over Voltage	Yes
Cell Under Voltage	Yes
Battery Pack Over Voltage	Yes
Battery Pack Under Voltage	Yes
Charging Over Current	Yes
Discharging Over Current	Yes
Over Temperature	Yes
Under temperature	Yes
Open Wire detection	Yes
Short Circuit Protection	Yes
Display	Yes
Pre charge Feature	Yes
Current Limiting	Yes