



PRONTO RENEWABLES ENERGY PVT LTD



**51.2V(16s1P)/100Ah LITHIUM (LFP) ENERGY STORAGE SYSTEM  
TECHNICAL DATA SHEET**

S.No	Description	Specifications
1	Product Name	51.2V 100Ah LifePO4 Battery Pack
2	Application	Inverter/ Solar/Online UPS
3	Chemistry	Lithium Ferro Phosphate (LifePO4)
4	Capacity	100Ah
5	Warrenty	5 Years
6	Certificates	ISO9001
7	Certificates	ISO14001
8	Certificates	IEC
9	Certificates	ROHS
10	Battery Pack Energy Storage	5.12kWh
11	Nominal Voltage (V)	51.2V
12	Capacity in Ah	100Ah
13	Prefered Battery ElectroChemistry (NMC/LFP)	LFP Prismatic
14	Operating Temperature During Charge	-20 to +55 degree C
15	Operating Temperature During Discharge	-20 to +60 degree C
16	Connector Type	Thimble
17	Battery Enclosure type (ABS/ Metal/FRP soft Pack)	Metal
18	Dimensions / Size LxBxH (in mm) for 1 pack	L-610mm * W-520MM * H-410MM
19	Weight	45.5kg +/- 2kg
20	C rating(Charging/Discharging)	1C/2C
21	Continuous Discharge current (A)	100A

22	No. of Life Cycle (Charge/Discharge)	4000+
23	Communication (CAN/RS 232/RS 485)	on demand
24	SoC Indicator/Display (Yes/No)	Yes
25	Charging Current (A)	50Amp
26	Battery low Cut Off	44V
27	Battery HIGH Cut-off Voltage	58V
28	Cooling Type	Air
29	Cell Types	Prismatic 100Ah
30	Cell Configuration	16s1p
31	Application	Power Backup Solution
32	BMS (Battery Management System)	BMS
33	Battery Parallel Option	Yes, Up to 12 Batteries

**NOTE:- DUE TO CONTINUE IMPROVEMENT IN PRODUCT , DESIGN MAY BE CHANGE.**