



Key Technical Specifications LFP Battery Pack 12.8V/100AH	
Battery Capacity	1.3 Kwh
Battery Type	Li-ion
Chemistry	LFP
Cell Package Type	Prismatic
Capacity	100AH
Operation DOD range	90%
Nominal voltage	12.8V
Voltage Range	10V - 14.4V
Rated Charging Current (standard)	0.5C
Peak Charging Current	2C
Rated Discharge Current	1C
Peak Discharge Current	2C for 10 Sec
Operating ambient temperature - Charging	0 to 50°C (cell temperature)
Operating ambient temperature - Discharging	0 to 55°C (cell temperature)
Storage Temperature for 6 months	0 to 35 (50% SOC)
Lifecycle @ Ambient 25°C	2000
Deterioration in capacity over cycles at 25°C for 100% DOD and 0.5C	30% drop in initial capacity at the end of 2000 cycles. % drop in capacity at different part of the life shall be confirmed after simulation.
Cycle definition	One complete charging and discharging considered to be a cycle for the above.
Package Dimension (L x W x H)	170 x 140 x 230 mm
Weight	8-9 Kg
Specific energy	113 Wh / Kg
Energy density	140 Wh/L
Self-discharge rate	< 3% SOC per month