

ORBUS ESS LIT 12V 100Ah

BATTERY MODULE



MECHANICAL SPECIFICATIONS	
Dimension (LxWxH)	320 x 140 x 210 mm
Weight	12.3kg ± 0.5kg
Terminal Type	M8
Case Material	ABS
Enclosure Protection	IP 65
Chemistry	Cylindrical - LifePO4

ELECTRAL SPECIFICATIONS	
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Capacity @	240min
Energy	1280Wh
Resistance	≤ 30 mΩ @50%SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

CHARGE SPECIFICATIONS	
Recommended Charge Current	50A
Maximum Charge Voltage	100A
BMS Charge Voltage Cut-Off	14.8 V
BMS Charge Voltage Cut-Off	15.6V (3±90.025vpc)(1.1±0.4 s)
Reconnect Voltage	15.2 V (3.8±0.05vpc)
Balancing Voltage	14.4 V

DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	100A
Peak Discharge Current	150A (5s)
BMS Discharge Current Cut-Off	151A ± 50A(9 ± 4 ms)
Remmended Low Voltage Disconnect	10.8V
BMS Discharge Voltage Cut- Off	8V
Reconnect Voltage	9.2V
Short Circuit Protection	200-600 μs

