

DATA SHEETS

51.2V 150Ah



CLOUDS POWER



GENERAL

Nominal Voltage	51.2V
Working Voltage	41.6V-58.4V
Recommended Voltage	48.0V-57.0V
Cell Count	16
Nominal Capacity	150Ah
Energy	7680Wh
Reserve @25A	252 Minutes
Self Discharge	1% Per Month
IP Rating	IP65

CHARGING

Recom.Charging Current	50A
Max Charging Current	750A
Bulk/Absorb Voltage	57.0V
BMS High Voltage Cutoff	58.4V
Charging Temp. Range	32F to 113F

DISCHARGING

Max Continuous Discharge	250A
Max Discharge 0.1 Sec	667A
Max Discharge 10 Sec	352A
BMS Voltage Cutoff	41.6V
BMS Voltage Recovery	44.8V
DISCHARGE TEMP RANGE	- 4F to 122F

COMMUNICATION

Bluetooth	YES
CAN	YES
485	YES
APP	YES
Computer	YES

SAFETY

Charging Freeze Protection	YES, Under 32F
Pack Over-Voltage	YES
Cell Balancing	YES
Pack Under-Voltage	YES
Cell Under-Voltage	YES
Cell Over-Temp	YES
BMS Over-Temp	YES
Short Circuit/Over Current	YES
Certifications	UN38.3 MSDS CE UL(cell)
Report	UL2580

SAFETY

Cell Chemistry	LFP
Cell Type	Square aluminum shell
Cell Configuration	16S1P
Series Connectable	NO
Parallel Connectable	Yes , up to 2
Weight	78KG/172IBS
Dimension LxWxH	21.3×12.3×9.9IN
Terminal Type	Bolted connection
Shell Type	Q235
UN Shipping Class	UN3480