



Specifications

Lithium Power

Basic 12 V – 50 Ah

17-06-2024

ARTICLE NUMBER

40291201

Ion Power Basic 12 V - 50 Ah

TECHNICAL SPECIFICATIONS

Length x width x height	257 x 132 x 200 mm (10.1" x 5.2" x 7.9" inch)
Weight	8.12 kg (17.9 lb.)
Nominal voltage (V)	12.8 V
Rated capacity	50 Ah
Energy	640 Wh
Cycle life	>2000 cycles
Terminal type	M8
Battery housing	ABS,UL-94V-0
Housing protection	IP56
CellType-chemistry	LiFePO4 Cylindrical Cell

CHARGE PARAMETERS

Charge Method	CC-CV
Charge Voltage	14.4 ~ 14.8 V
Recommended Float Voltage	13.8 V
Recommended Charge Current	25 A
Maximum Charge Current	50 A
BMS Charge Cut-off Voltage	15.6 V

DISCHARGE PARAMETERS

Continuous Discharge Current	50 A
Peak Discharge Current	60 A
Recommended Volt. Disconnect	10 V
BMS Discharge Cut-off Voltage	8 V
Reconnect Voltage	9.2 V
Short Circuit Protection	200~600 us

TEMPERATURE PARAMETERS

Discharge Temperature	-20 to 60 C
Charge Temperature	0 to 45 C
Storage Temperature	-20 to 60 C
BMS High Temperature Cut-off	80 C (176 F)

COMPLIANCE PARAMETERS

Certifications

UL1642 (cell), CE, IEC62133 & CB, KC, BIS