



Specifications

Lithium Power

Basic 12 V – 150 Ah

31-05-2022

ARTICLE NUMBER

40291203

Ion Power Basic 12 V - 150 Ah

TECHNICAL SPECIFICATIONS

Nominal voltage	12.8 V
Rated capacity	150 Ah
Energy	1920 Wh
Cycle life	>2000 cycles @ 1C,100% DOD
Dimensions (L x W x H) mm	483 x 170 x 238 (19 x 6.7 x 9.4 inch)
Weight	16.5 kg (36.38 lbs)
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	75 A
Maximum Charge Current	150 A
BMS Charge Cut-off Voltage	15.6 V

DISCHARGE PARAMETERS

Continuous Discharge Current	150 A
Peak Discharge Current	250 A (<10 seconds)
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