

A2D2

LiFePO₄

LiFePO₄ (Lithium Iron Phosphate Battery)

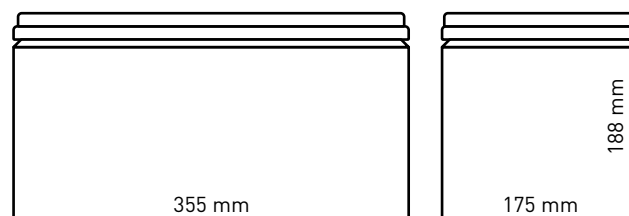
12.8V / 100Ah (1280Wh)

LFA2-12V100C10-F15D1H

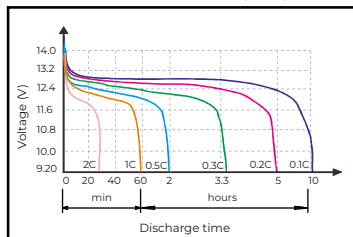
CHARACTERISTICS

BATTERY SPECIFICATIONS	
Battery type-Chemistry	LiFePO ₄
Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Output Power	1280 Wh
Dimensions (L x W x H)	355 x 175 x 188 mm
Weight	9.9 kg
Terminal Type	F15
Case Material	ABS
Internal Resistance	<20 mΩ
BMS built-in	Yes
Self Discharge per Month	<3 %
Cycle Life	3000 Cycles (0.2C, 25°C, 80% of the initial capacity)
Discharge Temperature	(-20 to 60) °C
Charge Temperature	(0 to 45) °C
Storage Temperature	(0 to 35) °C
Bluetooth	No
LCD Screen	External
Connector	Yes
Heating Function	Yes
IP Rating	IP65
Voltage Window	10-14.6 V
Recommended Charge Voltage	14.6 V
Max Charge Voltage	14.6 V
Recommended Charge Current	20 A
Max Continuous Charge Current	100 A
Recommended Discharge voltage	11.2V ±0.20V
Max Discharging Voltage	10V ±0.20V
Max Continuous Discharge Current	100 A
Peak Discharge Current	200 A (2S)
The maximum number of battery packs supported in series	≤4PCS
The maximum number of battery packs supported in parallel	supported

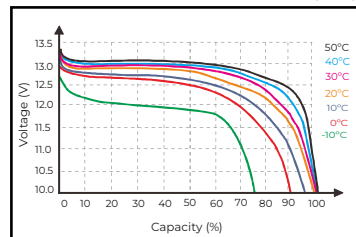
DIMENSIONS



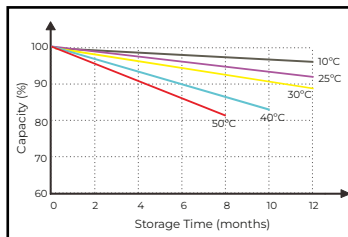
DISCHARGE CHARACTERISTICS (25°C)



TEMPERATURE EFFECTS ON DISCHARGE (0.5C)



SELF DISCHARGE CHARACTERISTICS



CHARGE CHARACTERISTICS (25°C)

