

A2D2

LiFePO₄

LiFePO₄ (Lithium Iron Phosphate Battery)

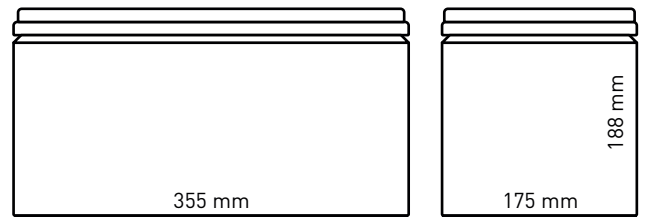
12.8V / 142Ah (1818Wh)

LFA2-12V142C11-F15B3H

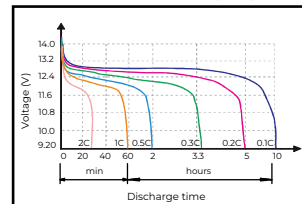
CHARACTERISTICS

BATTERY SPECIFICATIONS	
Battery type-Chemistry	LiFePO ₄
Nominal Voltage	12.8 V
Nominal Capacity	142 Ah
Output Power	1818 Wh
Dimensions (L x W x H)	355 x 175 x 188 mm
Weight	15 kg
Terminal Type	F15
Terminal Torque	-
Case Material	ABS
BMS built-in	Yes
Internal Resistance	≤ 20 mΩ
Efficiency	-
Self Discharge per Month	-
Cycle Life (0.2C, 25 °C@100% DOD)	3000 Cycles
Discharge Temperature	(-20 to 60) °C
Charge Temperature	(0 to 55) °C
Storage Temperature	(-10 to 35) °C
Bluetooth	Yes
LCD Screen	-
Heating Function	Yes
Voltage Window	10-14.6 V
Recommended Charge Voltage	14.6 V
Max Charge Voltage	14.6 V
Recommended Charge Current	28 A
Max Continuous Charge Current	142 A
Recommended Discharge voltage	-
Max Discharging Voltage	10 V
Max Continuous Discharge Current	142 A
Peak Discharge Current	350 A (3S)
BMS CHARACTERISTICS	
Primary Charge Protection	-
Secondary Charge Protection	-
Primary Discharge Protection	-
Secondary Discharge Protection	-
Overcharge Voltage Protection (cell)	-
Overdischarge Voltage Protection (cell)	-
Temperature Protection PCB	-
The maximum number of strings supported by the battery pack	≤4PCS
The maximum number of battery packs supported in parallel	Increase capacity without increasing Current

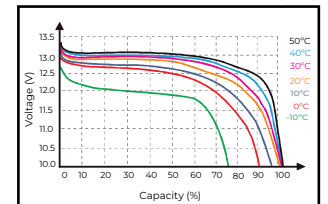
DIMENSIONS



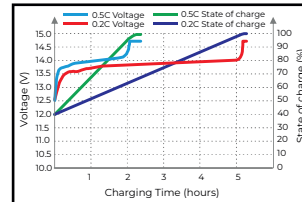
DISCHARGE CHARACTERISTICS (25°C)



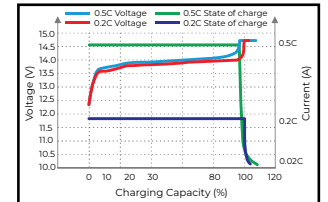
TEMPERATURE EFFECTS ON DISCHARGE (0.5C)



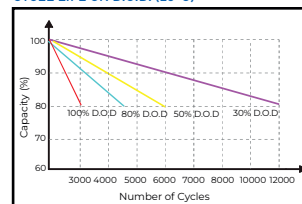
CHARGING TIME ON S.O.C. (25°C)



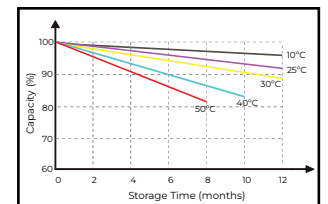
CHARGE CHARACTERISTICS (25°C)



CYCLE LIFE ON D.O.D. (25°C)



SELF DISCHARGE CHARACTERISTICS



D.O.D. - depth of discharge, S.O.C. - state of charge

Parallel connection: Please full discharge batteries, then recharge after parallel connected. Parallel connection is only for longer backup time, not for larger output power.
Series connection: Please keep batteries with same remain capacity.