

A2D2

LiFePO₄

LiFePO₄ (Lithium Iron Phosphate Battery)

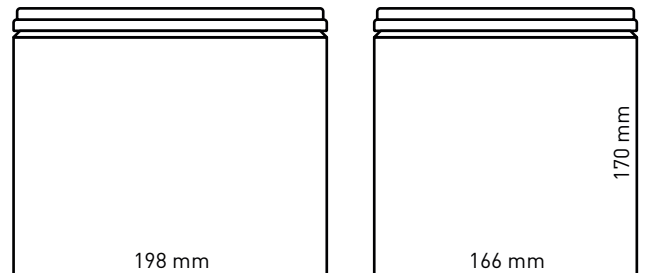
12.8V / 50Ah (640Wh)

LFA2-12V050C10-M6B1

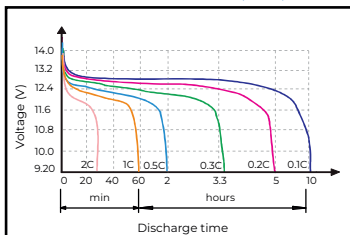
CHARACTERISTICS

BATTERY SPECIFICATIONS	
Battery type-Chemistry	LiFePO ₄
Nominal Voltage	12.8 V
Nominal Capacity	50 Ah
Output Power	640 Wh
Dimensions (L x W x H)	198 x 166 x 170 mm
Weight	7 kg
Terminal Type	M6
Case Material	ABS
Internal Resistance	<25 mΩ
BMS built-in	Yes
Self Discharge per Month	<3 %
Cycle Life	6000 Cycles (0.2 C, 25°C, 80% DOD)
Discharge Temperature	(-20 to 60) °C
Charge Temperature	(0 to 45) °C
Storage Temperature	(0 to 35) °C
Bluetooth	Yes
LCD Screen	No
Connector	No
Heating Function	No
IP Rating	IP65
Voltage Window	10.8-14.6 V
Recommended Charge Voltage	14.6V ±0.20V
Max Charge Voltage	14.6V ±0.20V
Recommended Charge Current	10 A
Max Continuous Charge Current	25 A
Recommended Discharge voltage	11.2V ±0.20V
Max Discharging Voltage	10.8V ±0.20V
Max Continuous Discharge Current	50 A
Peak Discharge Current	80 A (5±3S)
The maximum number of battery packs supported in series	≤4PCS
The maximum number of battery packs supported in parallel	supported

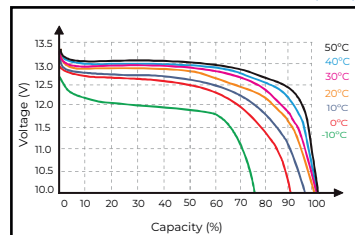
DIMENSIONS



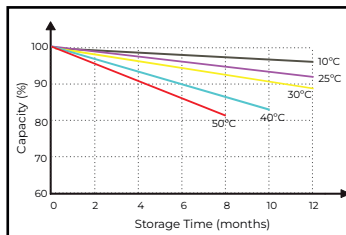
DISCHARGE CHARACTERISTICS (25°C)



TEMPERATURE EFFECTS ON DISCHARGE (0.5C)



SELF DISCHARGE CHARACTERISTICS



CHARGE CHARACTERISTICS (25°C)

