



HD – Lithium

Lithium Iron Phosphate Battery

HD100

Specifications

MODEL	HD100	NOTE
RATED CAPACITY	100Ah	25±2°C
NOMINAL VOLTAGE	12.8V	
TOTAL ENERGY	1280Wh	
CHEMISTRY	LiFePO4	
CELL TYPE	Prismatic	
MAXIMUM CONTINUOUS DISCHARGE CURRENT	≤100A	
PEAK DISCHARGE CURRENT	≤200A	@3 seconds
MAXIMUM CHARGE CURRENT	≤100A	@25°C
RECOMMENDED CHARGE CURRENT	20A	
RECOMMENDED CHARGE PROFILE	CC / CV (Constant current / constant voltage)	
RECOMMENDED CHARGE VOLTAGE	14.4V	
MAXIMUM CHARGE VOLTAGE	14.6V	
UNDER VOLTAGE DISCONNECT	10V	
USABLE TEMPERATURE WINDOW	-20 to 60°C	
CHARGING TEMPERATURE WINDOW	-10 to 45°C	With heater function *
TERMINAL CONNECTIONS	M8	
CASE TYPE	ABS Plastic IP65 rated	
CERTIFICATIONS	UKCA, CE, UN38.3, RoHS	
BASE DIMENSIONS (L*W) (mm)	253*157	Battery base
TOP DIMENSIONS (L*W*H) (mm)	259*171*213	Widest points (Top/Handles)
HEIGHT WITH TERMINALS (mm)	224	No items attached
WEIGHT (kg)	9.7	
SMART BMS	100A	Bluetooth enabled
STORAGE TEMPERATURE	-10°C~30°C	
SHIPPING CLASSIFICATION	UN3480 - Class 9	
CONFIGURATION AND EXPANSIONS	16 x parallel, 4 x series to 51.2V max	
SELF DISCHARGE PER MONTH	< 3%	
CYCLE LIFE	≤6000	80% DOD

Battery sizes, ports, and terminal positions are subject to change.

* If the cell pack drops to 2°C, the charger activates the heater before charging begins. The heater turns off once the temperature reaches 5°C. Normal charging range: 2–45°C.

