



# HD - Lithium

Lithium Iron Phosphate Battery

HD300

## Specifications

MODEL	HD300	NOTE
RATED CAPACITY	300Ah	25±2°C
NOMINAL VOLTAGE	12.8V	
TOTAL ENERGY	3840Wh	
CHEMISTRY	LiFePO4	
CELL TYPE	Prismatic	
MAXIMUM CONTINUOUS DISCHARGE CURRENT	≤250A	
PEAK DISCHARGE CURRENT	≤500A	@3 seconds
MAXIMUM CHARGE CURRENT	≤250A	@25°C
RECOMMENDED CHARGE CURRENT	60	
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)	348*184	Battery base
TOP DIMENSIONS (L*W*H) (mm)	385*204*272	Widest points (Top/Handles)
HEIGHT WITH TERMINALS (mm)	283	No items attached
WEIGHT (kg)	27	
SMART BMS	250A	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.

