

BATTERY MODEL: 12.8V 54AH LIFEPO4

Description	Technical Specification	Remark
Nominal Capacity	54Ah	Capacity according to standard charge and Discharge
Nominal Voltage	12.8V	The average value of working voltage during the whole discharge process.
Nominal Wattage	692Wh	
Internal Impedance of Pack	≤4.6mΩ	Internal Impedance calculated after series and parallel configuration
Type of Cell	Cylindrical	Part No. 32700
Capacity of Individual Cell	≤3.2V – 6000mAh	A Grade Cell with IR < 8mΩ
Configuration	4S-9P	4 in Series and 7 in Parallel
Charge Current	15A	Constant Charge
Discharge Current	20A	Constant Discharge
Charge Cut-Off Voltage	14.6V	Protected with Balancing BMS
Discharge Cut-Off Voltage	10.5V	Protected with Balancing BMS
Working Temperature (Charging)	0-45°C	Under constant charge
Working Temperature (Discharging)	20-55°C	Under constant discharge
Weight	5.95kG	Approx
Dimension	Length (mm)	160mm
	Width (mm)	130mm
	Height (mm)	70mm
Cycle Life	≥2000	With 80% DOD
Storage Temperature	1 – 3 Month	20 - 60°C
	1 – 6 Month	20 - 45°C
Battery (LCV)	Provided	
Battery (HCV)	Provided	
Battery Reverse Protection	Provided	