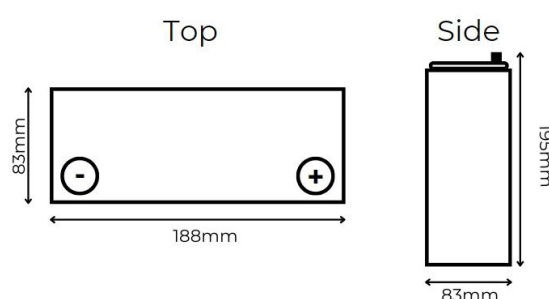


12V 18Ah DATA SHEET



PRODUCT FEATURES

- Ultra safe lithium iron phosphate (LiFePO₄) cells
- Integrated battery management system (BMS)
- Longer service life: >2000 cycles service life
- Deep discharging: Can be 100% drained
- Light weight and compact
- Water and dust resistant (IP55)
- Highly durable sealed ABS plastic enclosure
- Sealed and non-liquid (No fumes, no leaking, mount in any position)



TYPICAL APPLICATION

- Replace 12v 18Ah lead acid with a long life lithium battery
- Backup power for gate motors, CCTV, electric fences, access control and alarm systems

TECHNICAL SPECIFICATION

Model	RP-12V-18AH		
Nominal Voltage	12.8V	Recommended Discharge Low Voltage	12V
Usable Capacity	230.4Wh	Recommended Bulk Charge Voltage	14.4V
Nominal Capacity @ 0.2C	18Ah	Recommended Float Charge Voltage	13.8V
Dimensions (L x W x H) (mm)	175 x 83 x 188	Self-Discharge Rate	< 3.5% per month
Weight (kg)	2.1kg	Operating Temperature Range	Charge: 0°C to 45°C Discharge: -20°C to 60°C
Terminal Connectors	M6 Terminals	Humidity Range	< 95% RH
Display	LCD SOC & V	Protection	Over-voltage Under-voltage Short circuit
Discharge Current Max Continuous	18A	IP Rating	IP65
Peak Discharge Current (< 3s)	54A	Casing Material	ABS Plastic
Charge Current Max Continuous	18A	Expected Lifespan	100%DoD > 2000 cycles 80%DoD > 3000 cycles 50%DoD > 5000 cycles (0.2C charging and discharging, 25°C)
Cell Type	Cylindrical LFP LiFePO ₄	Warranty	3 years / 3000 cycles
Operating Voltage Range	11.6V - 14.4V	Certifications	UN38.3 MSDS UL1973 UL9540A