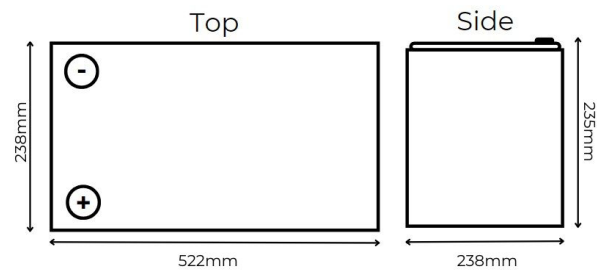


24V 105Ah DATA SHEET



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
- LCD battery voltage & capacity gauge
- Water and dust resistant (IP65)
- Highly durable sealed ABS plastic enclosure
- Sealed and non-liquid (No fumes, no leaking, mount in any position)



TYPICAL APPLICATION

- Single battery replaces 2 x 12v 100Ah batteries in a 24v system
- Long life lithium drop-in replacement to 2 x 12v 100Ah lead acid battery in a 24v system
- Storage battery for a 24v backup power inverter
- Storage battery for a 24v inverter off-grid solar system

TECHNICAL SPECIFICATION

Model		RP-24V-105AH	
Nominal Voltage	25.6V	Recommended Discharge Low Voltage	24V
Usable Capacity	2688Wh	Recommended Bulk Charge Voltage	28.8V
Nominal Capacity @ 0.2C	105Ah	Recommended Float Charge Voltage	27.6V
Dimensions (L x W x H) (mm)	522 x 238 x 235	Self-Discharge Rate	< 3.5% per month
Weight (kg)	19.6kg	Operating Temperature Range	Charge: 0°C to 45°C Discharge: -20°C to 60°C
Terminal Connectors	M8 Terminals	Humidity Range	< 95% RH
Display	LCD SOC & V	Protection	Over-voltage Under-voltage Short circuit
Discharge Current Max Continuous	50A	IP Rating	IP65
Peak Discharge Current (< 3s)	100A	Casing Material	ABS Plastic
Charge Current Max Continuous	50A	Expected Lifespan	100%DoD > 2000 cycles 80%DoD > 3000 cycles 50%DoD > 5000 cycles (0.2C charging and discharging, 25°C)
Cell Type	Prismatic LFP LiFePO ₄	Warranty	3 years / 3000 cycles
Operating Voltage Range	24V - 28.8V	Certifications	UN38.3 MSDS UL1973 UL9540A