

Lithium Ion Power Plus Battery



Datasheet

12 VDC / 160 Ah - 12 VDC / 210 Ah



The WP-Ion Power Plus, is a Lithium Iron Phosphate rechargeable battery with a rated capacity of 160 Ah or 210 Ah. The unique combination of state-of-the art technology and smart software makes this lithium battery a robust, safe and easy to use energy storage solution.

Compared to conventional lead-acid batteries, the WP-Ion Power Plus lithium batteries offers an enormous weight and space saving. Efficient and with extremely high performance.

Features

- Traction battery (frequent charge/discharges)
- Lithium Iron Phosphate (LiFePO₄): safe lithium technology
- Integrated BMS (Battery-Management system); external interruption device needed
- Glass fiber reinforced plastic (GFRP) casing, Aluminum / PE sandwich side panels
- Terminals for 2 x M8 Bolts
- Integrated fuse, 32V / 500A
- Wired communication interface: CANopen
- Battery monitoring / history storage
- Adaptive cell balancing
- Configurable in serial or parallel connection- output for bi-stable relay / latching relay



Generating Confidence

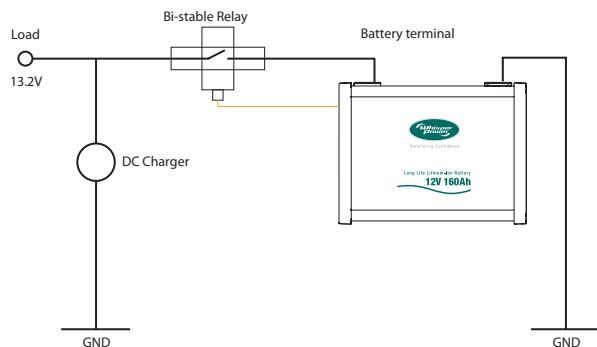


Generating Confidence



	WP ION 12 V 160 Ah	WP ION 12 V 210 Ah
Article Nr.	40290202	40290209
TECHNICAL SPECIFICATIONS		
Battery NR code	4IFP227/415/315	IFpP/36/130/195
Height (mm)	313.00	313.00
Width (mm)	413.50	413.50
Depth (mm)	225.00	225.00
Weight	25 kg	27 kg
Nominal voltage (V)	13.2 V	13.2 V
Maximum voltage	15.4 VDC	15.4 VDC
End charge voltage	14.6 VDC	14.6 VDC
Max charge current 100/c	160 A	210 A
Max float charge current	52 A	70 A
Minimum battery voltage	8 VDC	8 VDC
Minimum float charge	10 VDC	10 VDC
Max discharge current 3/C	480 A	630 A
Prolonged discharge current (max)	52 A	70 A
Pulsed discharge current (10 sec)	1280 A	800 A
Pulsed discharge current (60 sec)	800 A	600 A
Usable battery capacity at 20°C	160 Ah / 2112 Wh	210 Ah / 2688 Wh
Usable battery capacity at - 20 °C	104 Ah / 1372 Wh	130 Ah / 1716 Wh
Usable capacity / in comparison to lead acid battery	320 Ah	420 Ah
Charge method	Constant voltage	Constant voltage
Temperature range (charging)	0°C to 45°C	0°C to 45°C
Temperature range (discharging)	-20°C to +60°C	-20°C to +60°C
Temperature range (storage)	-20°C to +60°C	-20°C to +60°C
COMPLIANCE SPECIFICATIONS		
Certifications	CE, FCC, UN 38.3, UN ECE R10.05	
Shipping Classification	UN 3480	

12 Volt - 160 Ah system



24 Volt - 160 Ah system

