



Datasheet ES024100-01

Lithium Battery 24V / 100Ah (LiFePO4)



Battery specifications	
Model	XR100
Article number	ES024100-01
Chemistry	LiFePO4
Cycle life	>1500 (80% DOD)
Warranty	2 years (if less 1500 cycles)
Output (Discharge)	
Nominal Voltage	25.6 V
Capacity	100Ah / 2560Wh (At 0.3C Discharge)
Continue Output current	100A
Overcurrent protection	150A ±10A (delay 5ms ±20ms)
Temp. Discharge	-20°C to +60°C
Input (Charge)	
Max Charge Voltage	29.2 V
Max charge current	50A
Temp. Charge	0°C to +45°C
Charging mode	CC-CV
Dimensions	
Length	308 mm
Width	250 mm
Height	240 mm
Weight	≈ 26.6 kg
Environmental	
Enclosure	Metal casing (Powder coated color RAL 9002 Grey white)
Battery poles	M8 screw terminals
Communication Connector	Sensor connector 5Pins M12 (Interface RS485)
Ingress protection	IP 52
Temp. Storage	0°C to +40°C (Capacity 80%)
Safety	
Protections	Temperature / Over (dis) charge / Short-circuit / Overcurrent / Balancing
Compliance	
Certifications	UN38.3 / MSDS / CE

Accessories		
ES0400017	Cable Sensor connector 5Pins M12 1,5m	
ES5000043	Smart Battery Indicator PowerXtreme 24 V	



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