

Datasheet XR105

Lithium Battery 25.6 V / 105 Ah (LiFePO4)

Key features

- LiFePO4: the safest lithium technology, Very low self-discharge, no maintenance
- Sustainable More than 2000 cycles - completely recyclable
- High Energy Density and Extreme power
- Smart communication for parallel connection
- Simple installation and multiple positioning



Battery specifications

Model	XR105
Article no	ES024105-01
Chemistry	LiFePO4 (Lithium Iron Phosphate)
Cycle life	>2000 (80% DOD)
Warranty	2 years (and max 2000 cycles)
Internal Discharge Current	max 3% / month

Output (Discharge)

Nominal Voltage	25.6 V
Capacity	105 Ah / 2688 Wh
Nominal Output Current	150 A
Short term current (≤ 30 sec)	250 A
Peak current ($\leq 0,5$ sec)	300 A
Temp. Discharge	-20°C to +60°C
End of Discharge Voltage	20.0V or 2.2V / Cell

Input (Charge)

Max Charge Voltage	29.2 V (Recommended Charge Voltage 28.8 V)
Max charge current	100 A continuous (peak 125 A)
Temp. Charge	0°C to +45°C
Charging mode	CC-CV
Balancing	Yes

Environmental

Enclosure	Plastic casing PC-ABS gray color UL94-V0 halogen-free flame retardant
Dimensions (L x W x H)	330 x 230 x 170 mm
Weight	18.4 kg
Connection	M8 internal thread
Communication	CAN-Bus and I ² C
Connector	8 pins Sensor connector M12 Female, T4133012081-000
Ingress protection	IP65
Temp. Storage	-10°C to +45°C
Optional	Bluetooth communication, Real SOC indicator, Mounting feet's, heating function, GPIO functions

Safety

Protections	Over- / under-temperature Over (dis) charge Short-circuit Overcurrent
Internal fuse	200 A
Compliance	UN38.3 / MSDS / CE



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