



THE TRUSTED POWER SOURCE

PHOENIX LITHIUM SERIES



LITHIUM-ION ENERGY STORAGE BATTERY RLR-5.1-X1



51.2V | 100AH

RACK
SERIES



Proven Reliability

Offers 6000 validated cycles for lasting battery life



High Scalability

Modular Configuration from 5.12KWh~76.8KWh



Ultimate Performance

1C Charge/Discharge Capability for demanding loads



Smart BMS

High acquisition accuracy allows for complete control and cell management



Safety

Built-in protection against short-circuits and over charging/discharging



Easy Installation

Plug and Play Terminals provide Faster Installation Time, Secure Connection and Corrosion Protection

DATA SHEET

Model	RLR-5.1-X1
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Cell String	16S
Nominal Voltage	51.2 V
Battery Capacity	100 Ah
Nominal Energy	5.12 kWh
Usable Energy	4.68 kWh
Operating Voltage Range	44.8 V - 57.6 V
Recommended Charge/Discharge Current	50 A
Max. Charge/Discharge Current	100 A
Dimension (W*D*H)	442*468*135 mm (Exclude handle)
Weight (Kg)	42 Kg
Expansion	Up to 8 units in parallel
Communication	RS485/CAN
Operating Temperature Range	Charge: 0°C ~ +55°C Discharge: -20°C ~ +60°C
Storage Temperature	-20 ~ +35°C
Humidity	5% ~ 95%
Altitude (m)	<2000

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