



THE TRUSTED POWER SOURCE

PHOENIX LITHIUM SERIES





LITHIUM-ION

ENERGY STORAGE BATTERY

RLC-2.7-X1

25.6V | 105AH

CUBE
SERIES



Bluetooth APP

Ability to monitor real-time battery status



High Scalability

Supports Parallel/Series Connection



Affordability

Cost effective design to maximize return on investment



Smart BMS

Provides safety and long battery life



IP65 Design

Offers protection from Dust and Water



Compact Build

Light weight Design and Convenient Installation

DATA SHEET

Product Specification	
Model	RLC-2.7-X1
Battery Cell Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Cell String	1P8S
Nominal Voltage	25.6 V
Battery Capacity	105 Ah (25°C, 0.2C)
Nominal Energy	2688 Wh
Operating Voltage Range	20.8 V - 29.2 V
Charging limited Voltage [V]	29.2 V
Charge Mode	CC/CV (0.5C to 29.2V, then 29.2V until charge current less than 0.02C)
Discharge Cut-off Voltage [V]	20.8 V
Recommended Charge/ Discharge Current	50 A
Max.continuous Charge/ Discharge Current	75 A
Peak Charge/Discharge current	80 A @ 60 s
Case Material	ABS
Dimension [L*W*H]	502*186*243 mm (±3mm)
Weight (KG)	20 Kg ± 1 Kg
Terminal Type	M8

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Operating Temperature Range	Charge: 0°C ~ +55°C Discharge: -20°C ~ +60°C
Storage Temperature	-20 ~ +35°C
Humidity	5% ~ 95%
Altitude (m)	<2000
IP Class	IP65
Design Life	5+ Years
Cycle Life	5000 cycles @ 0.5C @ 25°C @ 80% DOD
BMS Protection	Over charge/discharge, Over temperature, Short circuit, etc
Communication	Blue Tooth Access APP-Real-time monitoring Battery Status include capacity, voltage, current, cycles, SOC, SOH, cell voltage, temperature
Maximum Modules in Series	2 (Single Use ONLY-after connected in Series, CAN NOT be in Parallel.)
Maximum Modules in Parallel	2 (Single Use ONLY-after connected in Parallel, CAN NOT be in Series.)

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PHOENIX
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