



**RELIABLE**

Grade A  
LiFePO<sub>4</sub> Cell

⚡ **SCALABLE**

Scalable From 1.28  
to 10.24 kWh

Model	LAR 1280-12.8V
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Performance	
Nominal Ratings	12.8 Vdc, 100 Ah, 1.28 kWh
Bulk Charge V	14 Vdc
Float Charge V	13.8 Vdc
Low Voltage	12.8 Vdc
Cutoff Voltage	11.6 Vdc
Charge Current	50 A
Discharge Current	100 A
Short Circuit Current	≈1000 A

General Specification	
Dimension (WxDxH mm)	260 x 170 x 213 mm
Weight (kg)	10 kg
Operating Temperature	Charge: 0~55°C / Discharge: -20°C ~ 55°C
Operating / Storage	≤95% RH
Max Operating Altitude	≤2000 m
IP Rating	IP54
Cell Technology	LiFePO <sub>4</sub> , Lithium Iron Phosphate
Cycle Life	6000 Cycles @ 80% DoD / 25°C / 0.5C, 60% EOL
Scalability	Max 2 batteries in series Max 4 batteries in parallel

Standard Compliance (more available upon request)	
Certificates	CE, UN38.3

Ordering and Deliverable Part	
Product Ordering Part	LAR 1280-12.8V Battery