



⚡AFE

Grade A
LiFePO₄ Cell

RELIABLE

Compatible with
Major PCS Brand

⚡CALABLE

Scalable From 4.9
To 78.3 kWh

Model	lite 4900-3U	lite 5220-3U
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Performance		
Nominal Voltage	48 Vdc	51.2 Vdc
Nominal Capacity	102 Ah	102 Ah
Battery Energy	4.9 kWh	5.2 kWh
Charge Current	50 A	50 A
Charge Power	2.4 kW	2.56 kW
Discharge Current	100 A	100 A
Discharge Power	4.8 kW	5.12 kW
Short Circuit Current	350 A	

Communication	
Display	SOC status indicator, LED indicator
Communication	CAN, RS485, RS232

General Specification		
Dimension (WxDxH mm)	440 x 500 x 132mm	
Weight (kg)	41 kg	43 kg
Installation	Rack Mounted	
Operating Temperature	Charge: 0~55°C / Discharge: -20°C ~ 55°C	
Operating /Storage Humidity	≤95% RH	
Max Operating Altitude	≤2000 m	
IP Rating	IP20	
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate	
Cycle Life	6000 Cycles @ 80% DoD / 25°C / 0.5C, 60% EOL	
Scalability	Max 15 batteries in parallel	

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

Ordering And Deliverable Part	
Product Ordering Part	lite 4900-3U / lite 5220-3U (Mini Rack Included) 10 x 3U Rack 25 mm ² Power Cable Set