

## 51.2V / 48V MODULE SPECIFICATIONS

Model Number	LFP3250-LV512100 High Power	LFP3250-LV512100SP Standard Power	LFP3250-LV480100 High Power	LFP3250-LV480100SP Standard Power
<b>PERFORMANCE SPECIFICATIONS</b>				
Nominal Voltage	51.2V		48V	
Nominal Capacity	100Ah		100Ah	
Energy	5.12 kWh at 100% DOD		4.8 kWh at 100% DOD	
Chemistry	LiFePO4			
Cell	Prismatic			
Scalability (Max Parallel Modules)	62 Modules	16 Modules	62 Modules	16 Modules
Internal Resistance	≤7mΩ			
Cycle Life*	10,000 at 70% Retained Capacity (50% DOD @ 0.2C)			
Self Discharge Rate	<1% per month			
Efficiency of Charge	100%			
Efficiency of Discharge	>98%			
<b>DISCHARGE SPECIFICATIONS</b>				
Max Continuous Current	2C = 200A (10.2kW)	1C = 100A (5.12kW)	2C = 200A (9.6kW)	1C = 100A (4.8kW)
Recommended Cut-off Voltage	48V		45V	
Under Voltage Protection (Recovery)	45V (>48V)		42V (>45V)	
<b>CHARGE SPECIFICATIONS</b>				
Max Continuous Current	1C = 100A (5.12kW)	0.5C = 50A (2.5kW)	1C = 100A (4.8kW)	0.5C = 50A (2.4kW)
Recommended Charge Voltage	56V		52.5V	
Over Voltage Protection (Recovery)	57.6V (54.4V)		54V (51V)	
<b>MECHANICAL SPECIFICATIONS</b>				
Case	19" 4U Stainless Steel			
Protection Rating	IP20			
Dimensions (W x D x H)	19.00 x 24 x 6.30 in. 483 x 610 x 160 mm	19.00 x 20 x 6.30 in. 483 x 525 x 160 mm	19.00 x 24 x 6.30 in. 483 x 610 x 160 mm	19.00 x 20 x 6.30 in. 483 x 525 x 160 mm
Weight	±116 lbs (52.6 kg)	±108 lbs (49 kg)	±116 lbs (52.6 kg)	±108 lbs (49 kg)
<b>ENVIRONMENTAL SPECIFICATIONS</b>				
Oper. Temp.	-10°C to 60°C (14°F to 140°F)			
Warranty	15 Year Limited			
Certifications	UL-1973, CE, IEC62619 & CB, KC BIS			
Shipping	UN3480, Class 9, UN38.3			

\*Cycle Life: All battery cycle life is impacted by numerous factors including temperature, depth of discharge (DOD), charge/discharge current and frequency of cycling.



## 25.6V / 12.8V MODULE SPECIFICATIONS

Model Number	LFP3250-LV256200 High Power	LFP3250-LV256200SP Standard Power	LFP3250-LV128400
<b>PERFORMANCE SPECIFICATIONS</b>			
Nominal Voltage	25.6V		12.8V
Nominal Capacity	200Ah		400Ah
Energy	5.12 kWh at 100% DOD		
Chemistry	LiFePO4		
Cell	Prismatic		
Scalability (Max Parallel Modules)	62 Modules	16 Modules	16 Modules
Internal Resistance	≤7mΩ		
Cycle Life*	10,000 at 70% Retained Capacity (50% DOD @ 0.2C)		
Self Discharge Rate	<1% per month		
Efficiency of Charge	100%		
Efficiency of Discharge	>98%		
<b>DISCHARGE SPECIFICATIONS</b>			
Max Continuous Current	1C = 200A (5.12kW)	0.5C = 100A (2.56 kW)	0.5C = 200A (2.56 kW)
Recommended Cut-off Voltage	24V		12V
Under Voltage Protection (Recovery)	22.5V (>24V)		21V (>22.5V)
<b>CHARGE SPECIFICATIONS</b>			
Max Continuous Current	0.5C = 100A (2.56kW)	0.25C = 50A (1.28kW)	0.25C = 100A (1.28 kW)
Recommended Charge Voltage	28V		14V
Over Voltage Protection (Recovery)	28.8V (27.2V)		14.4V (13.6V)
<b>MECHANICAL SPECIFICATIONS</b>			
Case	19" 4U Stainless Steel		
Protection Rating	IP20		
Dimensions (W x D x H)	19.00 x 24 x 6.30 in. 483 x 610 x 160 mm	19.00 x 20 x 6.30 in. 483 x 525 x 160 mm	19.00 x 24 x 6.30 in. 483 x 610 x 160 mm
Weight	±116 lbs (52.6 kg)	±108 lbs (49 kg)	±116 lbs (52.6 kg)
<b>ENVIRONMENTAL SPECIFICATIONS</b>			
Oper. Temp.	-10°C to 60°C (14°F to 140°F)		
Warranty	15 Year Limited		
Certifications	UL-1973, CE, IEC62619 & CB, KC BIS		
Shipping	UN3480, Class 9, UN38.3		

\*Cycle Life: All battery cycle life is impacted by numerous factors including temperature, depth of discharge (DOD), charge/discharge rates, charge/discharge current and frequency of cycling.

