51.2V 314Ah 16.076kWh

BSLBATT Neuro 16 PRO Battery offers an option if you are looking for batteries to match your system. Comprehensive battery design and consideration of protection functions ensure our battery can perform perfectly while maintaining a long lifetime.

BSLBATT Neuro 16 PRO Battery is a 51.2V household battery based on LiFeP04, available in 16kWh capacities with a maximum of 15 identical units in parallel, and superior IP65 protection.

Module design, flexible expansion	Tier One, A+ LiFePO4 cell composition
Compact design, space saving	Matching with leading inverters
4000 cycles @ 90% DOD	Protection level: IP65

Specification

51.2V 314Ah 16.076kWh

Item		General Parameters
Model		Neuro 16 Pro
Battery Type		LiFePO4
Nominal Voltage (V)		51.2
Nominal Capacity (Wh)		16076
Usable Capacity (Wh)		15272
Cell & Method		16S1P
Dimensions (mm) (H*W*D)		835 x 600 x 250
Weight (Kg)		137 ± 3%
Discharge Voltage (V)		47
Charge Voltage (V)		55
Charge	Rated Current / Power	80A / 5.12kW
	Max. Current / Power	160A / 8.192kW
	Peak Current / Power	210A / 10.752kW, 1s
Discharge	Rated Current / Power	200A / 10.24kW
	Max. Current / Power	220A / 11.264kW, 1s
	Peak Current / Power	250A / 12.80kW, 1s
Communication		RS232, RS485, CAN, WIFI (Optional), Bluetooth (Optional)
Max Depth Of Discharge (%)		95%
Expansion		Up to 15 units in parallel
Working Temperature	Charge	0~55℃
	Discharge	-20~55℃
Storage Temperature		0~35℃
Short Circuit Current /Duration Time		350A, Delay time 500µs
Cooling Type		Natural Convection
Protection Level		IP65
Monthly Self-discharge		≤ 3%/month
Humidity		≤ 60% ROH
Altitude(m)		< 4000
Warranty		10 Years
Design Life		> 15 Years（25℃ / 77℉）
Cycle Life		> 4000 cycles, 25℃

Note: Customized models and adjusted parameters are available upon request.