

12.8V 100AH BATTERY



SPECIFICATIONS

Model	SESPL-128100	
Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	100Ah@0.2C
	Energy	1280Wh
	Internal Resistance	≤50mΩ
	Cycle Life	4000-6000 Cycles @ 0.2C Charging/ Discharging, Until 70% Capacity
	Self Discharge	≤3.5% per month at 25°C
Standard Charging	Max.Charging Voltage	14.0~14.6V
	Charging Mode	At 0°C~45°C temperature, charged to 14.6V at a constant current of 0.2C, and then, charged continuously with constant voltage of 14.6V until the current was not more than 0.02C
	Charging Current	20A
	Max.Charging Current	50A
Standard Discharging	Discharging Current	50A
	Max. Continuous Current	80A
	Max.Pulse Current	200A(<3Stt
	Discharging Cut-off Voltage	10
Operating Condition	Charge Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @60±25% Relative Humidity
	Storage Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
	Water Dust Resistance	IP55
Structure	Cell & Format	IFR32700 N65,4S17P/ Prismatic
	Casing	Plastic/ Metal
	Dimension(L*W*H*TH)	328*172*216*216mm
	Weight	Approx. 13Kg
	Terminal	M8
Manufacturing By	Vrushnk Electramech, Bidada-INDIA	

12.8V 200AH BATTERY



SPECIFICATIONS

Model	SESPL-128100	
Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	200Ah@0.2C
	Energy	1280Wh
	Internal Resistance	≤50mΩ
	Cycle Life	4000-6000 Cycles @ 0.2C Charging/ Discharging, Until 70% Capacity
	Self Discharge	≤3.5% per month at 25°C
Standard Charging	Max.Charging Voltage	14.0~14.6V
	Charging Mode	At 0°C~45°C temperature, charged to 14.6V at a constant current of 0.2C, and then, changed continuously with constant voltage of 14.6V until the current was not more than 0.02C
	Charging Current	20A
	Max.Charging Current	50A
Standard Discharging	Discharging Current	50A
	Max. Continuous Current	80A
	Max.Pulse Current	200A(<3Stt
	Discharging Cut-off Voltage	10
Operating Condition	Charge Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @60±25% Relative Humidity
	Storage Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
	Water Dust Resistance	IP55
Structure	Cell & Format	IFR32700 N65,4S17P/ Prismatic
	Casing	Plastic/ Metal
	Dimension(L*W*H*TH)	328*172*216*216mm
	Weight	Approx. 13Kg
	Terminal	M8
Manufacturing By	Vrushnk Electramech, Bidada-INDIA	

24V 100AH BATTERY



SPECIFICATIONS

Model	SESPL-128100	
Electrical Characteristics	Nominal Voltage	24V
	Nominal Capacity	100Ah@0.2C
	Energy	2400Wh
	Internal Resistance	$\leq 50\text{m}\Omega$
	Cycle Life	4000-6000 Cycles @ 0.2C Charging/ Discharging, Until 70% Capacity
	Self Discharge	$\leq 3.5\%$ per month at 25°C
Standard Charging	Max.Charging Voltage	14.0~14.6V
	Charging Mode	At 0°C~45°C temperature, charged to 14.6V at a constant current of 0.2C, and then, charged continuously with constant voltage of 14.6V until the current was not more than 0.02C
	Charging Current	20A
	Max.Charging Current	50A
Standard Discharging	Discharging Current	50A
	Max. Continuous Current	80A
	Max.Pulse Current	200A(<3Stt
	Discharging Cut-off Voltage	10
Operating Condition	Charge Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @60±25% Relative Humidity
	Storage Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
	Water Dust Resistance	IP55
Structure	Cell & Format	IFR32700 N65,4S17P/ Prismatic
	Casing	Plastic/ Metal
	Dimension(L*W*H*TH)	328*172*216*216mm
	Weight	Approx. 13Kg
	Terminal	M8
Manufacturing By	Vrushnk Electramech, Bidada-INDIA	

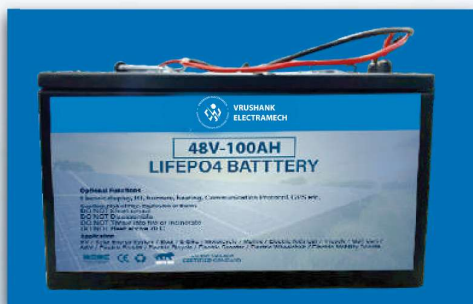
24V 200AH BATTERY



SPECIFICATIONS

Model	SESPL-128100	
Electrical Characteristics	Nominal Voltage	24.V
	Nominal Capacity	200Ah@0.2C
	Energy	4800Wh
	Internal Resistance	$\leq 50m\Omega$
	Cycle Life	4000-6000 Cycles @ 0.2C Charging/ Discharging, Until 70% Capacity
	Self Discharge	$\leq 3.5\%$ per month at 25°C
Standard Charging	Max.Charging Voltage	14.0~14.6V
	Charging Mode	At 0°C~45°C temperature, charged to 14.6V at a constant current of 0.2C, and then, charged continuously with constant voltage of 14.6V until the current was not more than 0.02C
	Charging Current	20A
	Max.Charging Current	50A
Standard Discharging	Discharging Current	50A
	Max. Continuous Current	80A
	Max.Pulse Current	200A(<3Stt
	Discharging Cut-off Voltage	10
Operating Condition	Charge Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @60±25% Relative Humidity
	Storage Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
	Water Dust Resistance	IP55
Structure	Cell & Format	IFR32700 N65,4S17P/ Prismatic
	Casing	Plastic/ Metal
	Dimension(L*W*H*TH)	328*172*216*216mm
	Weight	Approx. 13Kg
	Terminal	M8
Manufacturing By	Vrushnk Electramech, Bidada-INDIA	

48V 100AH, PHOSPHATE BATTERY



SPECIFICATIONS

Model No	SESPL-48100
Nominal Voltage	48V
Rated Capacity	100Ah
Cycle Life	>3000 Cycles
	Charge:CC@0.2C to 54.75V, thenCV till current to 0.05C (30min)
	Discharge: 1C to 20.0 V
	Temperature: 20+5°C
Dischrg Cut -off Voltage	37.5V
Charge Cut-off Voltage	54.75V
Material	LiFePo4
Recommend Charge Current	20A-50A
Max. Continuous Charge Current	100A
Max. Continuous Discharge Current	100A, Peak: 250A (<10s)
Operation Temperature	Charge: 0~55°C
	Discharge:-20~65°C
	Storage: 0~45°C
Self-discharge Rate	<3% per month
Outer Case	ABS Plastic Case (Metal Case Optional)
Dimentio(L*W*H)	525*270*220mm
	(±2mm)
Weight	Approx.: 42kg
Bluetooth/Display Screen	Optional
Warranty	5 years
Manufacturing	Vrushnk Electramech, Bidada-INDIA

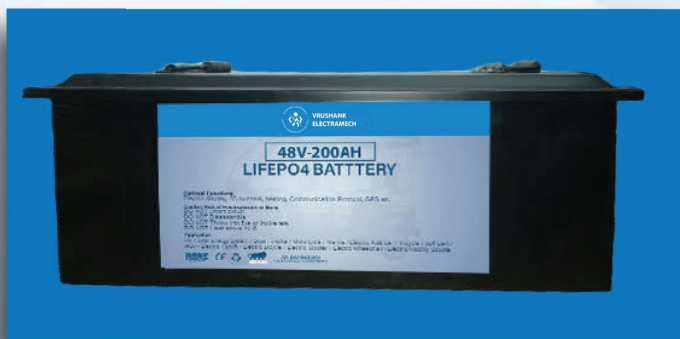
48V 150AH, LIFEPO4 BATTERY



SPECIFICATIONS

ELECTRIC CHARACTERISTICS			
Battery Type	LiFePo4	Nominal Capacity	150Ah
Nominal Voltage	48V	Actual Voltage	48V
Energy	7200Wh	Cycle Life	3500+
CHARGING AND DISCHARGING PARAMETERS			
Full charge volt	54.75V	Discharge cut-off volt	≤37.5V
Max charge current	75A	Max continuous discharge current	150A
Peak discharge current	300A@1~3 Seconds	Suggested charge Volt	54.75V
OPERATION TEMPERATURE PARAMETERS			
Charge	0~45°C	Storage less than 12 months	-20 ~25°C
Discharge	-20~60°C	Storage less than 3 months	-20~35°C
Recommended	18~28°C	Storage over12 months	25°C
MECHANICAL PROPERTIES			
Dimension Length	483mm	Housing materials	ABS/ PVC/ Customized
Dimension Width	170mm	Terminal size	M6/ M8 optional
Dimension Height	240mm	Waterproof level	IP65
Weight	About 60.25kg	Configuration	15S3P/ 15S25P
BMS FUNCTION			
Protect battery from Overcharge, Over-discharge, Over-current, Short circuit			
ADVANTAGE			
High Safety (No Fire, No Explosion)	No Memory Effect	High Energy Density	Long Lifespan
Fast Charge Capability	Waterproof	Individual Cell Balancing	Easy Maintenance

48V 200AH, LITHIUM LIFEPO4 BATTERY PACK, PRISMATIC CELL FOR SOLAR INVERTER OR EV



SPECIFICATIONS

Model No	SESPL-48200
Nominal Voltage (V)	48V
Battery Capacity (AH)	200(10KWD)
Working Voltage Range	42-56.25
Recommended Charging Voltage (v)	52.5
Recommended Discharge Cutoff Voltage (V)	45.7
Standard Charging Current (A)	100
Max Continuous Charging Current(A)	200
Standard Discharge Current (A)	100
Max Continuous Discharge current(A)	200
Operating Temperature (C)	-20 °C~60 °C (recommend 10 °C~35 °C)
Cool method	Natural air cooling
Certificate	CE, UN38.3, MSDS
Cycle life	Around 6000 times
Communication	RS485(CAN optional)
Parallel function	48v support at most 15 packs in parallel use (Capacity is 75KWD)
Max size (W*D*H) mm	410*180/220*590mm (including mounting rack)
Weight	106KG
Protection Level	IP20
Communication	RS485(CAN optional)
Manufacturing By	Vrushnk Electramech, Bidada-INDIA

51.2V-100AH BATTERY



SPECIFICATIONS

Modal	SESPL- 511100
Rated voltage	51.2V
Charging current	0.2C (Standard)
	1C (Max, 25°C) - 100A
Charging cut-off voltage	58.4V
Discharging method	CC / CP / VP
Discharging current	0.5C (Standard)
	1.5C (Max, 25°C) - (100A-150A)
Discharging cut-off voltage	40V
Operating temperature	Charge 0~50°C
	Discharge - 20~55°C
Storage temperature	Short time - 10~45°C
	Long time - 10~40°C
Storage humidity	5%~95%
Enclosure protection rating	IP65
Product Weight	46KG
Communication interface	485 / 232 / CAN (optional)
Shipping Status	Voltage 48~51V
	SOC: 30%~50%
Manufacturing By	Vrushnk Electramech, Bidada-INDIA

51.2V-200AH BATTERY



SPECIFICATIONS

Modal	SESPL- 511200
Rated voltage	51.2V
Charging current	0.2C (Standard)
	1C (Max, 25°C) - 100A
Charging cut-off voltage	58.4V
Discharging method	CC/ CP/ VP
Discharging current	0.5C (Standard)
	1.5C (Max, 25°C) - (100A-150A)
Discharging cut-off voltage	40V
Operating temperature	Charge 0~50°C
	Discharge - 20~55°C
Storage temperature	Short time - 10~45°C
	Long time - 10~40°C
Storage humidity	5%~95%
Enclosure protection rating	IP65
Product Weight	46KG
Communication interface	485/ 232/ CAN (optional)
Shipping Status	Voltage 48~51V
	SOC: 30%~50%
Manufacturing By	Vrushnk Electramech, Bidada-INDIA

96V-100AH BATTERY



SPECIFICATIONS

Model Number	SESPL - 96100
Product Name	Electric Vehicle Lithium Battery Pack 60V/ 72V/ 96V 100Ah LifePO4 Battery for EV/ Electric Motorcycle/ Electric Tricycle
Weight	135KG (297lbs)
Size	720*460*420mm (28.3*18*16.5in) (L*W*H)
Nominal Voltage	96V
Nominal Voltage	100Ah
Charge Voltage	105V - 109.5V
Components	30S2P or 30S1P or 30S4P
Peak Discharge (8 Seconds)	100A
Continuous Charge/ Discharge Rate	100A
Capacity (amp hours)	100AH
Capacity (watts)	96100W
Chemistry	Lithium Iron Phosphate (LiFePO4) Cell
Cycle life	3000 times 80%dod
Depth of Discharge	100% DOD
Self Discharge	≤3% per month
Cell Type	Prismatic or Pouch cell LifePO4 Type
Modular	Parallel Connection or Series Connection
Connector	Aderson Connector with Cable
Display	Voltage V / Capacity % with button available
Discharge Temperature	0°C to 45°C (32°F to 113°F)
Charge Temperature	20°C to 60°C (-4°F to 140°F)
Storage Temperature	0°C to 45°C (32°F to 113°F)
Water Dust Resistance	IP56 or IP67 available
BMS Function	Battery Protection Management System
	Automatic Low Voltage Disconnect
	Short Circuit Protection, Internal Cell Balancing
	Over Voltage Protection, Over Current Protection
	Over Charge Protection, Over Discharge Protection
	Over Temperature Protection

96V-200AH BATTERY



SPECIFICATIONS

Model Number	SESPL-96200
Weight	145KG (297 lbs)
Nominal Voltage	96V
Nominal Voltage	200Ah
Charge Voltage	105V-109.5V
Components	30S2P
Peak Discharge (8 Seconds)	150A
Continuous Charge / Discharge Rate	100A
Capacity (amp hours)	200A
Capacity (Watts)	19200W
Chemistry	Lithium Iron Phosphate (LiFePO ₄) Cell
Cycle Life	3000 times 80%doD
Depth of Discharge	100% DOD
Self Discharge	<3% per month
Cell Type	Prismatic or Pouch Cell LiFePO ₄ Type
Modular	Parallel Connection or Series Connection
Connector	Anderson Connector with Cable
Display	Voltage V /Capacity % with button available
Discharge Temperature	0°C to 45°C (32°F to 113°F)
Charge Temperature	20°C to 60°C (-4°F to 140°F)
Storage Temperature	0°C to 45°C (32°F to 113°F)
Water Dust Resistance	IP56 or IP67 available
BMS Function	Battery Protection Management System
	Automatic Low Voltage Disconnect
	Short Circuit Protection, Internal Cell Balancing
	Over Voltage Protection, Over Current protection
	Over Charge Protection, Over discharge Protection
	Over Temperature Protection
Dimensions	1600mmX280mmX290mm
Manufacturing By	Vrushnk Electramech, Bidada-India