

Solid-State Battery Energy Storage Vehicle

1567 kWh



Semi-Solid-State
Battery Pack



120KW
Charging Gun *4



200-950vdc
Output Voltage Range Adjustable

Product Advantages

- Semi-solid state cells: high energy density, high safety, excellent thermal management, extreme environment adaptability, long life, low maintenance.
- Supports 4-vehicle simultaneous charging: 4 × 120 kW DC guns, 0-120 kW adjustable output.
- Multi-scenario: oilfield, emergency rescue, event power support, grid maintenance, disaster relief, island power, diesel replacement.
- Shock-resistant trailer: 3-axle skeleton, air suspension, ABS system.

	Model	RPC3-S750KA1567K-rp1
DC Side Parameters	Battery Type	LFP
	Cell Rated Capacity	314Ah
	Rated Voltage (V)	832
	Voltage Range (V)	680~949
	Rated Output Current (A)	157
	Charge-Discharge Rate	0.5C
	Cycle Life (cycles)	7000, 25°C, 90%DOD, ≥70%EOL
AC Side Parameters	Rated Power (kW)	750
	Rated Grid Frequency	50/60Hz
	Max. AC Current (A)	1299
	Rated AC Current (A)	1082
	Wiring Mode	3P+N+PE
	Power Factor Adjustable Range	-1~+1
	Unbalanced Load Capacity	100%
	THDu	< 3%
Charging Parameters	Rated Power (kW)	120
	Output Voltage Range	200~950VDC
	Constant Power Range	300~950VDC
	Cable Length (m)	5
	Start Mode	Scan code / VIN / Manual, etc.
System Parameters	Fully Equipped Capacity (kWh)	1567
	Communication Interface	RS-485/CAN/LAN/TCP IP
	Temperature Control Solution	Liquid cooling
	Fire Protection Solution	Aerosol / FK-5-1-12 + water fire protection
	Altitude (m)	4000 (>2000Derating)
	Ambient Temperature (°C)	-20~+55
	Protection Grade	IP54
	Corrosion Protection Grade	C4
	Container Dimensions (W*D*H) (mm)	6058*2438*2591
	Fully Equipped Weight (T)	≈22

Solid-State Battery Energy Storage Vehicle

3343 kWh



Semi-Solid-State
Battery Pack



Multi-scenario
Application



Shock-absorbing
Vehicle Design



Cascade Expansion &
Flexible Scheduling

Product Advantages

- Semi-solid-state cells: High energy density, high safety, advanced thermal management, extreme environment adaptability, long service life, low maintenance.
- Supports cascade expansion: Plug-and-play, parallel connection, flexible scheduling.
- High safety: Independent battery cluster management, low thermal risk.
- Multi-scenario application: Oilfield construction, emergency rescue, event power support, grid maintenance, disaster relief, station area governance, island & scenic area power supply, diesel generator replacement.
- Shock-absorbing vehicle design: Hazardous goods tank skeleton semi-trailer, tri-axle, air suspension, ABS system.

Product Parameters

	Model	RPC3-B3M3-rp1
DC Side Parameters	Battery Type	LFP
	Cell Rated Capacity	314Ah
	Rated Voltage (V)	1331.2
	Voltage Range (V)	1040~1497.6
	Rated Output Current (A)	157
	Charge-Discharge Rate	0.5C
	Cycle Life (cycles)	7000, 25°C, 90%DOD,≥70%EOL
System Parameters	Fully Equipped Capacity (kWh)	3343
	Communication Interface	RS-485/CAN/LAN/TCP IP
	Temperature Control Solution	Liquid cooling
	Fire Protection Solution	Aerosol / FK-5-1-12 + water fire protection
	Altitude (m)	4000 (>2000Derating)
	Ambient Temperature (°C)	-20~+55
	Protection Grade	IP54
	Corrosion Protection Grade	C4
	Container Dimensions (W*D*H) (mm)	6058*2438*2896
	Fully Equipped Weight (T)	≈37