



We Bring The Sun Closer!

# RPES-614.4V100 51.2V 100Ah Each Block RECHARGEABLE LITHIUM BATTERY



## Product Features

- **High Inverter Compatibility**-Compatible with most mainstream inverters, ensuring greater system flexibility & improved overall efficiency.
- **CANbus Standard Communication**-Equipped with CANbus standard communication protocol for reliable data transmission and seamless integration in PV energy storage applications.
- **Scalable up to 750V**-The system supports scalability up to 750V, offering adaptability for high-voltage applications while maintaining safety and efficiency.
- **6000+ Charge/Discharge Cycles**-High-quality cells support over 6,000 cycles, ensuring excellent durability and consistent performance over time.
- **Advanced Smart BMS**-Integrated Smart Battery Management System (BMS) for intelligent monitoring, protection, and optimization of battery performance.
- **>15 Years Lifespan**-Designed for longevity with a lifespan exceeding 15 years, delivering reliable, long-term performance.

Model	RPES-614.4V100
Cell chemistry	LiFePO4
Battery normal voltage	51.2V
Battery capacity	100AH
Battery energy	5.12kWh
Cell model	EVE100Ah Prismatic cell
Battery weight	≈43 Kgs
Battery module qty in series	12 pcs
System normal voltage	614.4V
System operating voltage	662.4~691.2V
Cut-off discharge	537.6V
System energy	61.44kWh
BMS	GCE HV BMS
Max charge current	100A
Recommended charge current	20A
Max discharge current	100A
Recommended discharge current	20A
Work temperature	Charge:0~55°C , Discharge:-20~60°C
Communication port	RS485,CAN
Status indicator	RUN-Green Light;Alarm-Red Light
IP rate	IP 20
Pack dimension	570*600*2150mm
System weight	≈ 604 Kgs
Installation type	Rack,Indoor
Storage temperature	0~45°C
Warranty	10 years
Recommend depth of discharge	90%
Certificate	CE ,IEC62619 ,MSDS ,UN38.3

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