



**Reenergy Power** is a leading manufacturer of high-quality lithium-ion and VRLA batteries, catering to the growing demand for efficient and sustainable energy storage solutions. Our batteries are designed for a wide range of applications, including renewable energy systems, and industrial equipment, for residential and commercial applications. We are committed to innovation, reliability, and environmental sustainability. Reenergy Power aims to provide durable, high-performance batteries that empower a greener and more connected world.

### || RPHV-6C

RPHV-6C with 215.04kWh capacity, offers powerhouse flexibility design and scalability of up to 1MW/2MWh. It uses EVE Grade A Lithium Ion cells with intelligent temperature control for enhanced safety and longevity.



## Product Details



### Grade A LifePo4 Cell



### Safety & Reliability

- LiFePO4 battery technology for enhanced safety and extended lifespan
- 1+1 redundant design for improved reliability
- Equipped with air conditioning, cooling fans, and fire extinguishing system for optimal safety and temperature control in the battery module.



### Flexibility

- Standard modular design with 5.12kwh per battery module.
- Flexible design from 4-14 battery modules in series.



### Cost Effective & High Efficiency

- 100% Depth of Discharge (DOD) for maximum energy usage
- Enhanced return on investment through optimized performance.



### Simple & Friendly

- Pre-installed before delivery for easy and quick installation.
- Backup time ranging from 2 to 5 hours



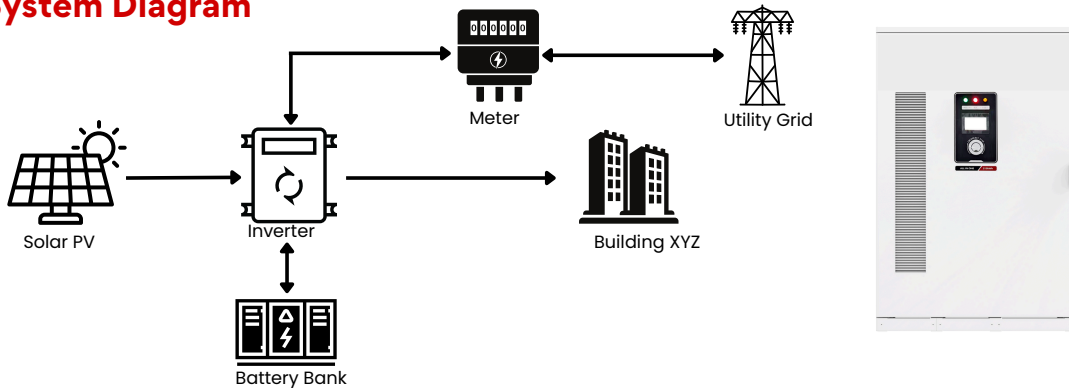
### Convenience

- Standard 19-inch rack design for easy installation & maintenance.
- Supporting USB software upgrade

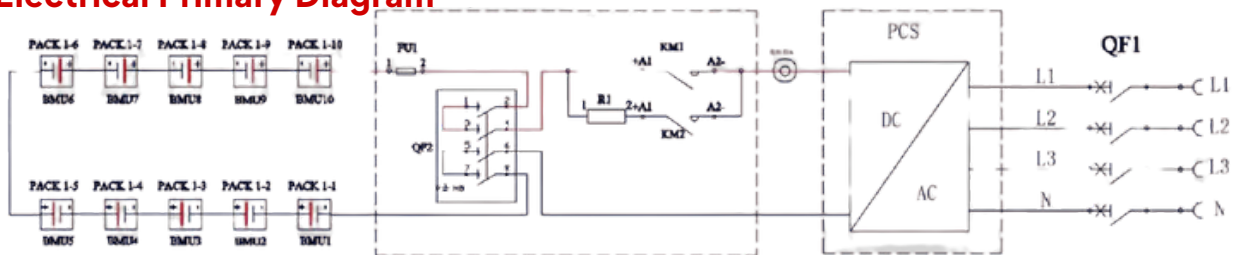
- Three layer Archicture built in BMU+RBMS+SBMS for multiple protection
- Touchable Screen Designfor choosing different communication protocol
- Flexible capacity & power scalability with upto 8 cluster in parallel
- High modularity degree, simple structure, easy installation and maintenance.
- Intergrated self-developed BMS products for real-time monitoring and management
- PACK level firefighting System(optional)
- Adopting a comprehensive battery protection strategy, fault detection and isolation measures to ensure the safety of the energy storage System
- Adopting mature, safe, economical, environmentally friendly, ultralong lifespan, and high reliability lithium iron phosphate battery modules
- Independent intelligent temperature control system ensures small temperature differences between modules and gentle module temperature fluctuations, prolongs battery life

Technical Specifications	
Items	Description
Rated Battery Capacity	215.04kWH
Norminal Volatge	768Vdc
Charge & Dischagre Rate	≥0.56C
Cooling Method	Intelligent Cooling
Auxillary Electrical Parameters	2kW-220Vac/50Hz
Fire Protection System	Stype aerosol
Anti-Corrosin Level	C3
IP Rating	IP54
Operating Temperature Range	-15°C~45°C
Storage Temperature	-20°C~55°C
Operating Humidity Range	0~95%
Operating Condition	Maximum 2 Charges & 2 Discharges per day
Cycle Life	8000 50% DOD, 6000 times 80% DOD, 4000 100% DOD (0.2, 25°C)
System Communcation Interface	Ethernet/ RS485
External Communication Protocol	Modbus TCP/IEC61850/Modbus RTU
Altitude	Within 300m
Dimensions[mm]D*W*H	1400*1200*2200
Weight (kg)	2200
Certification	GB/T36276GB/T34131
Installation Method	Outdoor

## System Diagram



## Electrical Primary Diagram



**Contact us**



(0044) 19089 20612



[www.renerypower.com](http://www.renerypower.com)



[support@renerypower.com](mailto:support@renerypower.com)



500 Avebury Boulevard, Milton Keynes, Buckinghamshire, MK9 2BE, United Kingdom



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