

## Lithium Ion Energy Storage

**Renergy Power**, established in 2016 in the United Kingdom, is a leading manufacturer of premium Lithium-ion and VRLA batteries. We were founded to meet the increasing demand for efficient and sustainable energy storage solutions. Our batteries are engineered for diverse applications, ranging from renewable energy systems to industrial equipment, serving both residential and commercial needs. With a strong focus on innovation, reliability, and environmental sustainability, Renergy Power is dedicated to delivering long-lasting, high-performance batteries that help build a greener, more connected future.

### Key Features



BYD Grade A LifePO4 Cell



Fast charge performance.



Integrated BMS



Lightweight design



Connection in parallel up to 4 and 4 in series



Warranty-3 years



Cycle life- 6000 at 80% DOD, 4000 at 100% DOD



### Product Details

- LFP (Lithium iron phosphate) BYD Grade A cells to ensure the highest safety and quality
- Compatible with wide range of inverter brands

### RENERGY RPL12v100

**RPL12v100** with 1.28 kWh capacity, is equipped with BYD Grade A cells and is compatible with most inverter brands, ensuring versatile and efficient energy storage.



### RPL12v100 Technical Specifications

Items	Description
Rated Voltage	12.8V
Rated Capacity	100Ah
Rated Energy	1280Wh
Output Voltage Range	10V-14.6V
Charging Voltage	14V-14.6V
Cut-Off Voltage	10V
Max Charging Current	100A
Recommended Charging Current	50A
Max. Dischargeing Current	100A
Efficiency	>98%
Dimensions L*W*H*(mm)	330*171*215
Weight (kg)	10.5
Humidity	5%-95% Relative Humidity
Charging Temperature	0°C-60°C
Discharging Temperature	-20°C-60°C
Storage Temperature	-10°C-30°C
Cycle Life	8000 50% DOD, 6000 times 80% DOD, 4000 100% DOD (0.2, 25°C)
Warranty	3 Years
Design Life	>10 Years

### RPL12v200 Technical Specifications

Items	Description
Rated Voltage	12.8V
Rated Capacity	200Ah
Rated Energy	2560Wh
Output Voltage Range	10V-14.6V
Charging Voltage	14V-14.6V
Cut-Off Voltage	10V
Max Charging Current	200A
Recommended Charging Current	50A
Max. Dischargeing Current	200A
Efficiency	>98%
Dimensions L*W*H*(mm)	484*171*240
Weight (kg)	20
Humidity	5%-95% Relative Humidity
Charging Temperature	0°C-60°C
Discharging Temperature	-20°C-60°C
Storage Temperature	-10°C-30°C
Cycle Life	8000 50% DOD, 6000 times 80% DOD, 4000 100% DOD (0.2, 25°C)
Warranty	3 Years
Design Life	>10 Years

### RENERGY RPL12v200

**RPL12v200** with 2.56 kWh capacity, is equipped with BYD Grade A cells and is compatible with most inverter brands, ensuring versatile and efficient energy storage.



### RPL25v100 Technical Specifications

Items	Description
Rated Voltage	25.6V
Rated Capacity	100Ah
Rated Energy	2560Wh
Output Voltage Range	21.6V-29.2V
Charging Voltage	27.6V-28V
Cut-Off Voltage	21.6V
Max Charging Current	100A
Recommended Charging Current	50A
Max Discharging Current	100A
Efficiency	>98%
Dimensions L*W*H*(mm)	330*171*215
Weight (kg)	10.5
Humidity	5%-95% Relative Humidity
Charging Temperature	0°C-60°C
Discharging Temperature	-20°C-60°C
Storage Temperature	-10°C-30°C
Cycle Life	8000 50% DOD, 6000 times 80% DOD, 4000 100% DOD (0.2, 25°C)
Warranty	3 Years
Design Life	>10 Years

### RPL25v100

**RPL25v100** with 2.56 kWh capacity, is equipped with BYD Grade A cells and is compatible with most inverter brands, ensuring versatile and efficient energy storage.



### RPL25v200

**RPL25v200** features a 5.12 kWh capacity, is powered by BYD Grade A cells and offers broad compatibility with most inverter brands, delivering reliable and efficient energy storage



### RPL25v200 Technical Specifications

Items	Description
Rated Voltage	25.6V
Rated Capacity	200Ah
Rated Energy	5120Wh
Output Voltage Range	21.6V-29.2V
Charging Voltage	27.6V-28V
Cut-Off Voltage	21.6V
Max Charging Current	100A
Recommended Charging Current	50A
Max Discharging Current	200A
Efficiency	>98%
Dimensions L*W*H*(mm)	520*269*220
Weight (kg)	25
Humidity	5%-95% Relative Humidity
Charging Temperature	0°C-60°C
Discharging Temperature	-20°C-60°C
Storage Temperature	-10°C-30°C
Cycle Life	8000 50% DOD, 6000 times 80% DOD, 4000 100% DOD (0.2, 25°C)
Warranty	3 Years
Design Life	>10 Years

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