

# HV Stackable Rack 16.07Kwh

**Reenergy Power**, established in 2016 in the United Kingdom, is a leading manufacturer of premium Lithium 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, Reenergy Power is dedicated to delivering long-lasting, high-performance batteries that help build a greener, more connected future.

## Key Features



### Safe&Reliable

Lithium batteries offer greater safety and longer lifespan. - two-level structure, intelligent management, and multiple protection. - Battery pack with active cell balancing can match at will battery module -Support wide voltage 100-700V - Support max 5 pcs system in parallel



### Modular Design, Flexible Expansion

Each battery module has a capacity of 16.07kWh. - Supporting 4~12 standard modules in series. - Matching single-phase and three-phase energy storage inverters.



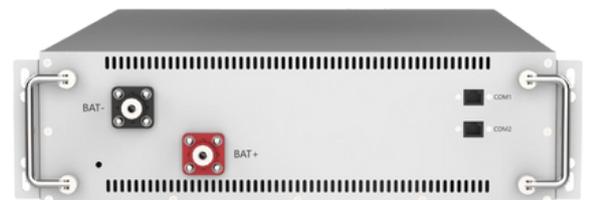
### Easy installation and maintenance

Standard modular stackable design and rack for easy installation and maintenance.

## System Composition Parameter

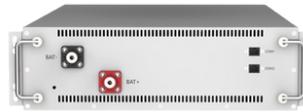
Items	Parameters
High Voltage Box	80~850Vdc
Working Voltage Range(V)	204.8V~614.4V
Nominal Charge and Discharge Current(A)	200/200
Maximum Charge and Discharge Current(A)	200A
Operating Temperature Range(°C)	-20~60
IP Rating	IP20
Dimension(W/D/H,mm)	460*760*208
Approximate Weight(kg)	27
Lithium Iron Phosphate Battery-51.2V314Ah	LiFePO4
Battery Type	51.2
Nominal Voltage(V)	314
Rated Capacity(Ah)	16.07kWh
Recommended Charge and Discharge Current(A)	100A
Max Charge/Discharge Current(A)	200A
Charging Temperature	-20~55°C
Storage Temperature	IP20
IP Rating	460*760*260
Dimension(W/D/H,mm)	120
Approximate Weight(kg)	

## Reference Picture



## Product Details

Technical Specifications			
Chemistry Nominal Energy (kWh)	LiFePO4		
Nominal Voltage (V)	51.2		
Module Capacity(Ah)	314		
Allowed Modules in Series	12		
System Nominal Voltage (V)	4	8	10
Operating Voltage Range (V)	204.8	409.6	512
System Energy (kWh)	64.32	128.64	160.7
Charging Current(A)	Maximum Charging Current: 200A Recommended Charging Current: 100A		
Discharging Current(A)	Maximum Discharge Current: 200A Recommended Discharge Current: 100A		
Temperature (°C)	Discharging: -20~55°C Charging: 0 ~55°C Storage: 0~45°C		
Communication Port	CAN/RS485		
IP Rating Dimension (W/D/H, mm)	IP20 (Natural Heat Dissipation)		
Installation Site Storage Temperature (°C)	Indoor 0~45°C 80% 0.5C/0.5C ,25°C		
Recommended Depth of Discharge	80%		
Cycle Life Warranty	5 years		
Certification	CE, UN38.3		



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