

Greenrich Energy Storage System

GRE05 | GRE10 | GRE15 | GRE20 |

High-voltage battery for residential ESS



Secure your energy independence

GRE residential Energy Storage Systems (ESS) is a crucial component to improving energy resilience and reduce energy costs for homeowners.

Our smart efficient high voltage energy storage modules can be deployed with a wide range of industry standard inverters and power control systems.

More Reliable



- Advanced LiFePO4 technology
- Smart battery management system
- High quality facility with TS16949

More Flexible



- Modular structure, easier expansion
- Easy transportation, fast installation

Intelligent BMS



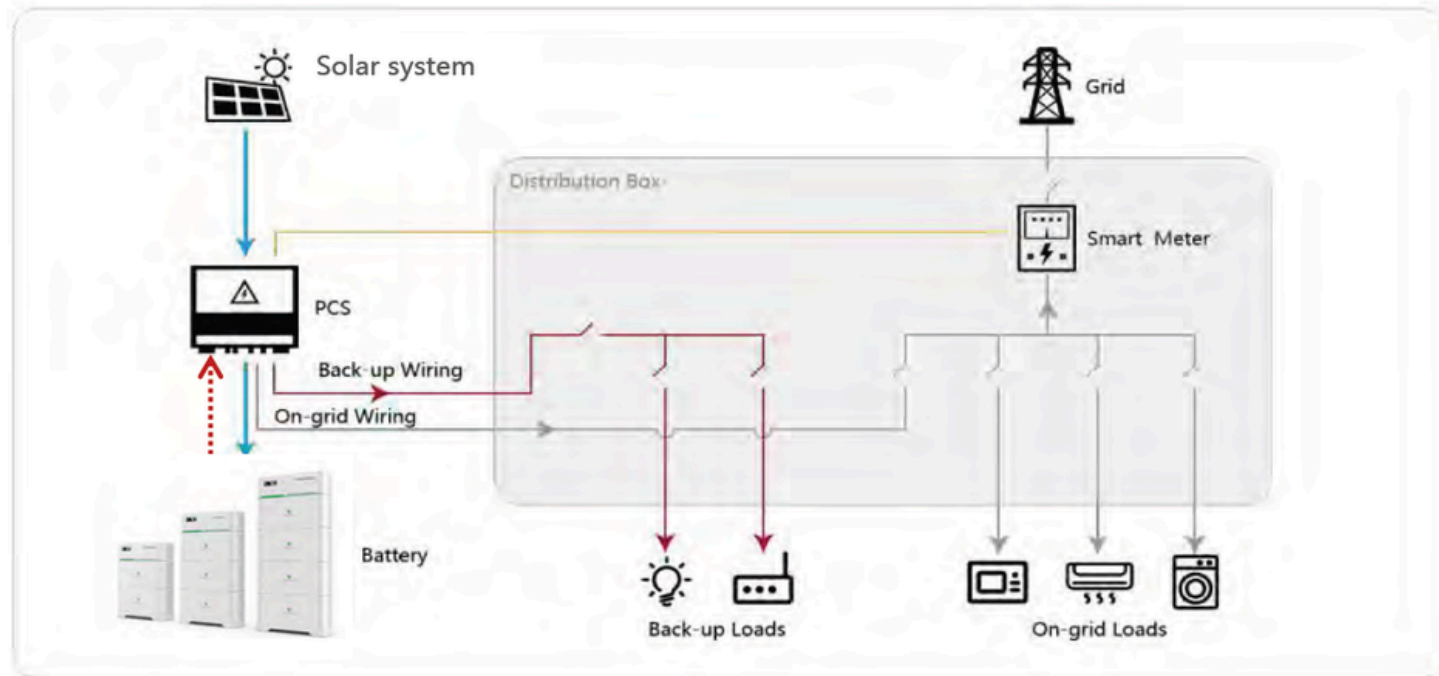
- Battery monitoring & protection
- Short circuit protection
- Wireless communication via APP

Comprehensive Service



- 10 years global limited warranties
- One stop service





Model	GRE05	GRE10	GRE15	GRE20
Battery Type	LiFePO4			
Battery module quantity	1	2	3	4
Nominal Voltage (V)	102.4	204.8	307.2	409.6
Nominal Capacity (Ah)	50			
Nominal Output Energy (KWh)	5.12	10.24	15.36	20.48
Electrical Parameters				
Voltage Range (V)	83.2~115.2	166.4~230.4	249.6~345.6	332.8~460.8
Charging & Discharging Current (A)	25@continue (Recommended)			
Charging & Discharging Current (A)	50@continue (Max)			
Mechanical Parameters				
Net Weight (±1.0 kg)	71	124	177	231
Dimension (W*D*H,±2.0 mm)	758*228*648	758*228*976	758*228*1304	758*228*1632
Ingress Protection	IP65			
Cooling	Natural Cooling			
Operation Condition				
Environment Temperature(°C)	Charge:1~55, Discharge:-20~60, Storage:-10~45			
Operation Humidity (RH)	5~95%			
Altitude (m)	< 2000			
Mounting Type	Floor-mounted			
Designed life	>10 years			
Certificates & Standards	IEC62619,IEC60730,IEC62040,EN61000-6-1,EN61000-6-3,UN38.3			

The specifications are subject to change without prior notice.