

Residential Energy Storage System

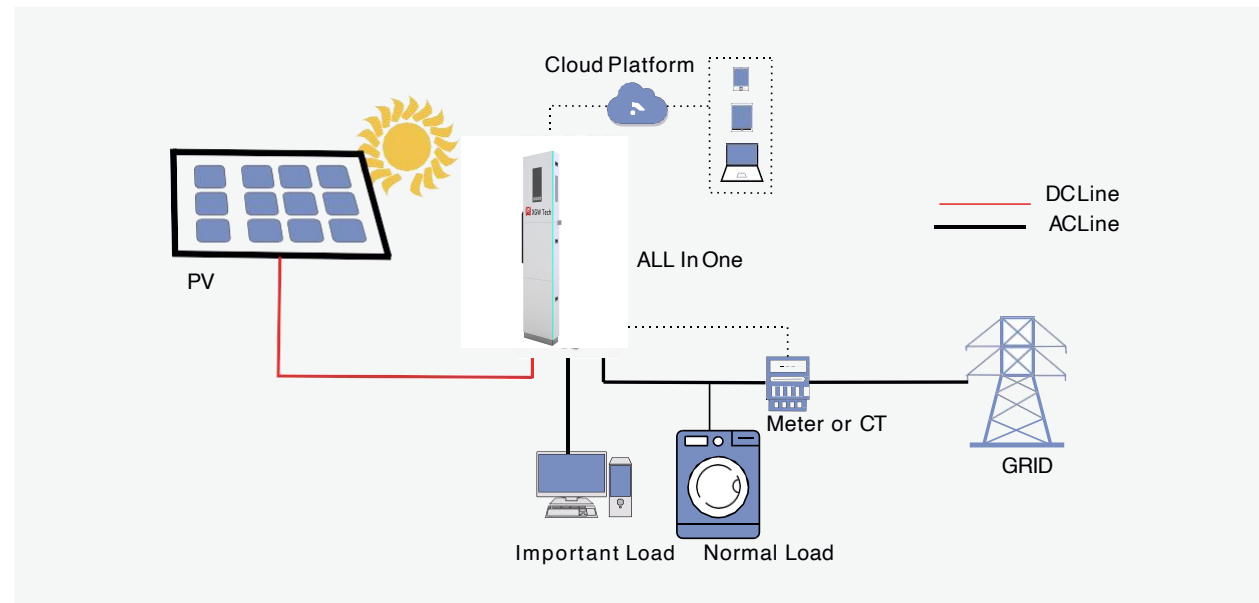


- Simple connection and installation, saving installation time and cost.
- Expandable system design, convenient for capacity expansion.
- Overall solution of home smart energy

Application Scenario



Product Topology



Model No.	GP-SR5-5S	GP-SR5-10S	GP-SR5-15S	GP-SR5-20S	
Voltage		48V			
Inverter output	Rated output power (VA)	5000	5000	5000	5000
	Rated output power (W)	5000	5000	5000	5000
	Power Factor	1			
	Output voltage waveform	Pure sine wave			
	Rated output voltage	230V			
	Rated output frequency	50HZ/60HZ			
	Output efficiency	> 92%			
Switching time	10ms (Typical value)				
Grid Mode	Rated input voltage	220/230VAC			
	Frequency	50HZ/60HZ auto-detect			
	Max bypass overload current	40A			
	Efficiency	> 95%			
AC backfeed protection	Available				
Battery	Battery type	Lithium battery			
	Rated voltage	51.2V			
	Battery voltage range	43.2V-58.4V			
	Battery Energy	5.12kwh	10.24kwh	15.36kwh	20.48kwh
	Number of battery modules	1	2	3	4
	Battery design lifetime	10years			
PV&Grid charging	Max open circuit voltage	145V			
	MPPT voltage range	60V-115V			
	Max input power	4200W			
	Wiring protection	reverse polarity protection			
	Solar max charging current	80A (adjustable)			
	Grid max charging current	60A			
	Short-circuit protection	Circuit breakers and blown fuses			
	Overcharging protection	Alarm and turn off charging after 1 minute			
Machine Specification Certification	Machine size (approx.)	1160*600*210	1660*600*210	1660*1200*210	1660*1200*210
	Net weight	84kg	141kg	198kg	255kg
	Protection level	IP54			
	Display	LCD			
	EMC grade	EN61000_C2			
	Operating temperature range	-15°C-55°C			
	Storage temperature range	-25°C-60°C			
	Specification certification	CE(IEC62109-1)			