



CEC Approved

Friendly capacity options



Stackable module design based on capacity of 5kWh, expandable to 60kWh with 3 systems of 20kWh in parallel.



Easy to install

Easy plug-in and ready to use, light-weighted system with less manpower to install



Excellent low temp. performance (Optional)

No degradation in performance at -10°C



Smart Energy Management System

Real-time monitoring in control of safe and reliable operation, no boundary to remotely upgrade system for maintenance.



PhG Energy Storage System (ESS)

Technical specification	PhG-ESS-10PhG8	PhG-ESS-15PhG8	PhG-ESS-20PhG8	PhG-ESS-15PhG10	PhG-ESS-20PhG10
System					
Energy Capacity(kWh)	10	15	20	15	20
Max.PV Input Power(kW)	12			15	
Max. EPS output(Back-up)(kW)	8.8			11	
Rated EPS output(Back-up)(kW)	8			10	
Grid Input Voltage(V)	120/240 Split Phase				
AC Output Voltage(V)	120/240 Split Phase				
Battery					
Battery Nominal voltage(V)	48				
Battery type	Lithium Iron Phosphate				
PV					
MAX. DC System Voltage	500 V				
MPPT Operating Voltage Range	120 V – 500 V				
NO. of MPPT Tracker/String	4/1				
MAX. Input Current per MPPT	14 A				
Max. Short-circuit Current per MPPT	22 A				
Protection					
Grounding Detection	YES				
Arc Fault Circuit Interrupt Protection	YES				
Island Protection	YES				
Battery Reverse Polarity	YES				
Insulation Resistor Detection	YES				
Residual Current Monitoring Unit	YES				
Back-up Output Short Protection	YES				
Terminal Temperature Detection	YES				
Output Over Voltage Protection	YES				
Output Over Current Protection	YES				
Output Under Voltage Protection	YES				