



Smart All-in-One Energy Storage Solution PhG-AS3~5KS-5~20-K

PhaseGreen PhG-AS3~5KS-5~20-K series brings energy storage solutions to customers with exceptional quality



Friendly capacity options

Highest-rated CATL LFP technology, stackable module design based on capacity of 5kWh, expandable to 20kWh



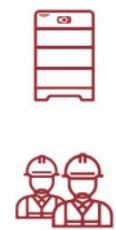
Conventional

PhG-AS3KS/5KS



Easy to install

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



Excellent low temp-performance

No degradation in performance at -10°C



Smart EMS

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



Technical Specification	PhG-AS3KS-5~20-K	PhG-AS5KS-5~20-K
Smart hybrid inverter	PhG-P3K6LS-K	PhG-P5K0LS-K
PV input		
Max. power (kW)	4.78	6.5
Max. DC voltage (V)	580	580
MPPT voltage range (V)	80~560	80~560
Max. input current per MPPT (A)	15	15
MPPT tracker/strings	2/1	2/1
AC output		
Rated output power (kVA)	3.68	5
Max. output current (A)	16	22
Grid voltage (Vac)	230	230
Frequency (Hz)	50/60	50/60
Power factor	0.8 leading~0.8 lagging, Transformerless	
THDi	<3%	
Grid interconnection	L+N+PE	
AC output (Backup)		
Rated power (kVA)	3.68	4.6
Rated output voltage (V)	230	230
Max. output current (A)	16	20
Nominal output frequency (Hz)	50/60	50/60
THDv	<3%	
Other		
Max. PV efficient	97.6%	97.6%
Euro .PV efficient	97%	97%
AC/DC surge protection	DC Type II; AC Type III	
Insulation detection	Yes	Yes
Dimensions W*H*D	540*590*240 mm (21.26*23.23*9.45 in)	
Display	LCD/APP	
Communication	RS485/CAN2.0/WIFI/4G	
Weight	31.98kg (70.5 lb)	
Battery configuration		
Normal capacity	5.12kWh / 10.24kWh / 15.36kWh /20.48kWh	
Batter model (PhG-BPack5.1L-K)		
Batter type	LFP (LiFePO4)	
Normal capacity (kWh)	5.12	
Depth of discharge (DOD)	90%	
Normal voltage (V)	51.2	
Max. charge/discharge Current (A)	50/80	
Communication interface	RS485/CAN	
Capacity (Ah)	100	
Weight	54kg (119 lb)	
Dimensions W*D*H	540*490*240 mm (21.26*19.29*9.45 in)	
System		
Noise (dB)	<25	
Level of protection	IP65	
Cooling	Natural convention	
Max. operating altitude	2000 m (6562 ft)	
Capacity (Ah)	100/200/300/400(Maximum 4 battery pack in parallel)	
Operating temperature range	-10°C~50°C (14°F~122°F) charging -10°C~50°C (14°F~122°F) discharging	
Relative operating humidity	0 %RH~95 %RH	
Certification	EN/IEC61000, IEC62040, IEC62619, IEC63056, IEC/EN62109, IEC60068, IEC61683, IEC62116, IEC61727, G99, G98, VDE-AR-N 4015, VDE 0124-100, DIN VDE 0126-1-1, EN50549, UN38.3, MSDS	
Limited warranty of Inverter	5 years product warranty	
Limited warranty of Battery system	5 years product warranty, 10 years performance warranty	