



## Smart All in One Energy Storage Solution

### PhG-AS10KT-5~20-K

PhaseGreen PhG-AS10KT-5~20-K series brings PV energy storage solutions to European customers with safe performance and first-class quality.



### Safety

CATL LFP Battery, Stable and safe Module, pack, system, triple protection IP 65



### Simple

Modular design, Plug and play, Web / Mobile APP Monitoring



### Adaptable

Adjustable power in each phase Support diesel generator control(DI/DO)



### Efficient

Supporting 200% oversized PV power On & OFF Grid parallel system



Technical specification		PhG-AS10KT-5~20-K
<b>Smart Hybrid Inverter</b>		<b>PhG-P10K0KT-K</b>
<b>PV Input</b>		
Max. power(kW)		20
Maximum DC Voltage(V)		1100
MPPT voltage range(V)		140-1000
Max. input current per MPPT(A)		15*2
MPPT tracker/strings		2/1
<b>AC Output</b>		
Rated output power(kVA)		10
Maximum Output current(A)		16
Rated Grid voltage		400V
Frequency (Hz)		50/60
Power factor		0.8 leading~0.8 lagging, Transformerless
THDi		<3%
Grid interconnection		3W+N+PE
<b>AC Output (Back-Up)</b>		
Rated power (kVA)		10
Rated output voltage(V)		400
Max. Output current(A)		16
Frequency (Hz)		50/60
THDv		<3%(@linear Load)
<b>Other</b>		
Anti-islanding protection		Yes
DC reverse polarity protection		Yes
AC/DC surge protection		DC type II;AC Type III
Insulation detection		Yes
Dimensions W * H * D (mm)		540*980*240
Display		LCD
Communication RS485/Wifi/CAN/DRM		Yes/Optional/Yes/Yes
Weight (lb)		92
Certificates		AS/NZS 477tr7.2; CEI 0-16; IEC/EN 62109-1&2, IEC62040-1; IEC62116;IEC61727; EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4,EN61000-4-16, EN61000-4-18, EN61000-4-29
<b>Battery Configuration</b>		
Normal Capacity		5.12kWh / 10.24kWh / 15.36kWh / 20.24kWh
<b>Batter Model (PhG-BPack5.1L-K)</b>		
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 (lb)		128
Dimensions W * D * H (mm)		540*500*240
Certificates		IEC/EN 62619;UN38.3
<b>System</b>		
Noise(dB)		<25
Level of Protection		IP65
Cooling		Natural convention ~ No Fans
Max. operating altitude		3000m(Derating above 2000 m)
Capacity (Ah)		100/200/300/400( Maximum 4 battery pack in parallel)
Operating temperature range		0°C ~ + 55 °C (charging)/ -25 °C ~ + 55 °C (discharging)
Relative operating humidity		0 %RH ~ 95 %RH