

# BlueGlow Series **NEW**

Single Phase / On-grid / 8-12 kW



Max. PV Voltage up to 600 V  
Type II DC / Type III AC SPD



DC / AC Ratio up to 1.5  
AFCI Optional



Reactive Power Control  
WiFi Logger Standard / 4G Logger Optional



High Efficiency up to 97.5%  
Smaller and Lighter



MODEL	G8K1	G10K1	G12K1
<b>Specifications</b>			
Max. DC Power	12 kWp	15 kWp	18 kWp
Max. DC Voltage	600 V		
Nominal Voltage	360 V		
Start Voltage	80 V		
MPPT Voltage Range	60 ~ 550 V		
MPPT Voltage Range at Full Load	220 ~ 500 V	270 ~ 500 V	330 ~ 500 V
No. of MPPT	2		
No. of Strings per MPPT	1		
Number of Strings Input	2		
Max. Input Current per MPPT	20 A*2		
Max. Short-circuit Current per MPPT	30 A*2		
<b>Output (AC)</b>			
Nominal AC Output Power	8000 W	10000 W	12000 W
Max. AC Apparent Power	8000 VA	10000 VA	12000 VA
Max. AC Output Power	8000 W	10000 W	12000 W
Nominal AC Voltage	220 V / 230 V		
AC Grid Frequency Range	50 Hz / 60 Hz (±5 Hz)		
Rated Output Current	36.4 A / 34.8 A	45.5 A / 43.5 A	54.5 A / 52.2 A
Maximum Output Current	36.4 A	45.5 A	54.5 A
Power Factor (Φ)	-0.8 (Lagging) ~ 0.8 (Leading)		
THDi	< 3% (Nominal Power)		
<b>Efficiency</b>			
Max. Efficiency	98.1%		
Euro Efficiency	97.5%		
<b>Protection Devices</b>			
DC Switch	Yes		
Anti-islanding Protection	Yes		
Output Over Current	Yes		
DC Reverse Polarity Protection	Yes		
String Fault Detection	Yes		
Overvoltage Category	DC Type III / Type II Optional; AC Type II		
Insulation Detection	Yes		
AC Short Circuit Protection	Yes		
AFCI Protection	Optional		
<b>General Specifications</b>			
Dimensions (W x H x D)	380 x 483 x 161 mm	380 x 483 x 161 mm	380 x 483 x 193 mm
Weight	14 kg	14.5 kg	17.5 kg
Operating Temperature Range	-25°C ~ +60°C		
Cooling Type	Natural		
Max. Operating Altitude	≤ 4000 m		
Max. Operating Humidity	0 ~ 100%		
DC Input Terminal Type	Vaconn		
IP Class	IP66		
Topology	Transformerless		
Communication	RS-485 / WIFI / GPRS / Bluetooth		
Display	LCD / Bluetooth + App		
Certificates	IEC 62109-1/2; IEC 61000; IEC 60068; IEC 61727; IEC 62116; IEC 61683		