

BlueGlow Series **NEW**

Single Phase / On-grid / 8-12 kW



Max. PV Voltage up to 600 V
Support High-current Bifacial Modules



DC / AC Ratio up to 1.5
AFCI Optional



Reactive Power Control
WiFi / 4G Plug Optional



High Efficiency up to 98.1%
Smaller and Lighter



MODEL	G8K1	G10K1	G12K1
Specifications			
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 V ~ 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		
Output (AC)			
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	230 V		
AC Grid Frequency Range	50 Hz / 60 Hz±5 Hz		
Rated Output Current	34.8 A	43.5 A	52.2 A
Maximum Output Current	36.4 A	45.5 A	54.5 A
Power Factor (Φ)	0.8 leading - 0.8 lagging		
THDi	3%		
Efficiency			
Max. Efficiency	98.1%		
Euro Efficiency	97.5%		
Protection Devices			
DC Switch	Yes		
Anti-islanding Protection	Yes		
Output Over Current	Yes		
DC Reverse Polarity Protection	Yes		
String Fault Detection	Yes		
Overvoltage Category	DC Type II; AC Type III		
Insulation Detection	Yes		
AC Short Circuit Protection	Yes		
AFCI Protection	Optional		
General Specifications			
Dimensions (W x H x D)	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		
AC Output Terminal Type	Busbar		
IP Class	IP66		
Topology	Transformerless		
Communication	RS-485 / WIFI / GPRS / Bluetooth		
Display	LCD / Bluetooth + App		