







# BlueGlow Series **NEW**

Single Phase / On-grid / 3–6 kW

-  Max. PV Voltage up to 550 V  
Support High-current Bifacial Modules
-  DC / AC Ratio up to 1.5  
AFCI Optional
-  Reactive Power Control  
WiFi Logger Standard / 4G Logger Optional
-  High Efficiency up to 98.1%  
Smaller and Lighter



MODEL	G3KS-D11	G5KS-D11	G5KS-B21	G6KS-D11	G6KS-B21
<b>Specifications</b>					
Max. DC Power	4.5 kWp	7.5 kWp	7.5 kWp	9.0 kWp	9.0 kWp
Max. DC Voltage	550 V				
Nominal Voltage	360 V				
Start Voltage	80 V				
MPPT Voltage Range	60 ~ 550 V				
MPPT Voltage Range at Full Load	165 ~ 500 V	265 ~ 500 V	180 ~ 500 V	330 ~ 500 V	200 ~ 500 V
No. of MPPT	1	1	2	1	2
No. of Strings per MPPT	1	1	1	1	1
Number of Strings Input	1	1	2	1	2
Max. Input Current per MPPT	20 A	20 A	16 A*2	20 A	16 A*2
Max. Short-circuit Current per MPPT	30 A	30 A	25 A*2	30 A	25 A*2
<b>Output (AC)</b>					
Nominal AC Output Power	3000 W	5000 W	5000 W	6000 W	6000 W
Max. AC Apparent Power	3300 VA	5500 VA	5500 VA	6000 VA	6000 VA
Max. AC Output Power	3300 W	5500 W	5500 W	6000 W	6000 W
Nominal AC Voltage	220 V / 230 V				
AC Grid Frequency Range	50 Hz / 60 Hz (±5 Hz)				
Rated Output Current	13.7 A / 13.1 A	22.7 A / 21.7 A	22.7 A / 21.7 A	27.3 / 26 A	27.3 A / 26 A
Maximum Output Current	15 A	25 A	25 A	27.3 A	27.3 A
Power Factor (Φ)	-0.8 (Lagging) ~ 0.8 (Leading)				
THDi	< 3% (Nominal Power)				
<b>Efficiency</b>					
Max. Efficiency	97.5%	98.1%	98.1%	98.1%	98.1%
Euro Efficiency	97.0%	97.5%	97.5%	97.5%	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 III				
Insulation Detection	Yes				
AC Short Circuit Protection	Yes				
AFCI Protection	Optional				
<b>General Specifications</b>					
Dimensions (W x H x D)	395 x 315 x 140 mm				
Weight	7.6 kg	8.2 kg	9.5 kg	8.2 kg	9.5 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	Quick connector				
IP Class	IP66				
Topology	Transformerless				
Communication	RS-485*2 / WIFI / GPRS / Bluetooth				
Display	LCD / Bluetooth + App				
Certificates	IEC 62109~1/2; IEC 61000; IEC 60068; IEC 61727; IEC 62116; IEC 61683				