



# BluE Series

Three Phase / On-grid / 5–12 kW



Max. PV Voltage up to 1100 V  
Type II DC / AC SPD



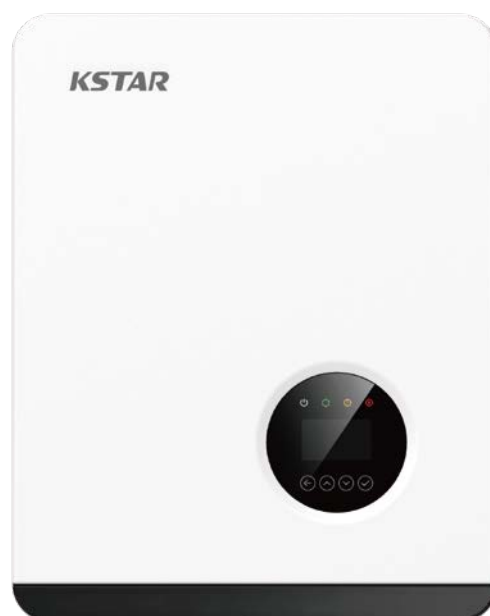
DC / AC Ratio up to 1.3  
IP66 Protection



Compatible for Big Capacity PV Panel  
WiFi Logger Standard / 4G Logger Optional



High Efficiency up to 98.6%  
Smaller and Lighter



MODEL	BluE-5KT-M1	BluE-6KT-M1	BluE-8KT-M1	BluE-10KT-M1	BluE-12KT-M1
<b>Input (DC)</b>					
Max. DC Voltage	1100 V				
Nominal Voltage	650 V				
Start Voltage <sup>1)</sup>	250 V				
Number of MPPT	140 ~ 1000 V				
Strings per MPPT	2				
MPPT Voltage Range	1				
Max. Input Current per MPPT	15 A				
Max. Short-circuit Current per MPPT	20 A				
<b>Output (AC)</b>					
Nominal AC Output Power	5000 W	6000 W	8000 W	10000 W	12000 W
Maximum AC Output Power	5500 VA	6600 VA	8800 VA	11000 VA <sup>2)</sup>	13200 VA
Nominal AC Voltage	400 V / 230 V, 3P+N+PE				
AC Grid Frequency Range	50 Hz / 60 Hz (±5 Hz)				
Maximum Output Current	8.0 A	9.6 A	12.8 A	16.0 A <sup>2)</sup>	19.2 A
Power Factor (Φ)	-0.8 (Lagging) ~ 0.8 (Leading)				
THDi	< 3% (Nominal Power)				
<b>Efficiency</b>					
Max. Efficiency	98.4%	98.4%	98.6%	98.6%	98.6%
Euro Efficiency	97.5%	97.5%	98.0%	98.1%	98.1%
<b>Protection devices</b>					
DC Switch	Yes				
Output Over Current Protection	Yes				
Anti-islanding Protection	Yes				
DC Reverse Polarity Protection	Yes				
String Fault Detection	Yes				
DC / AC Surge Protection	DC Type II; AC Type III; Type II Optional				
Insulation Detection	Yes				
AC Short Circuit Protection	Yes				
<b>General Specifications</b>					
Dimensions (W x H x D)	380 × 483 × 161 mm				
Weight	< 17 kg				
Operating Temperature Range	-25°C ~ +60°C				
Cooling Type	Natural cooling				
Max. Operating Altitude	4000 m				
Max. Operating Humidity	0 ~ 100% (No condensation)				
AC Output Terminal Type	Connector				
IP Class	IP66				
Topology	Transformerless				
Communication	RS-485 / WIFI / 4G				
Display	LCD				
Certification & Standard	EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN6 1000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G98/G99 ; C10/11; NB/T 32004-2018; GB/T 19964-2012;				

1) Minimum voltage for inverter to start power output.

2) According to the C10/11 of Synergrid, the maximum AC output power is 10 kVA and therefore the maximum AC output current is 14.5A.