



BluE Series (LV)

Three Phase / On-grid / 12–20 kW



Max. PV voltage up to 800 V
Type II DC / AC SPD



DC / AC ratio up to 2
IP66 protection



Reactive power control
WiFi Logger Standard / 4G Logger Optional



High efficiency up to 98.6%
Smaller and lighter



MODEL	BluE-12KTL-M1	BluE-15KTL-M1	BluE-20KTL-M2
Input (DC)			
Max. DC Voltage		800 V	
Nominal Voltage		370 V	
Start Voltage		250 V	
MPPT Voltage Range		200 ~ 750 V	
Number of MPPT Tracker		2	
Strings per MPPT Tracker		2	
Max. input Current per MPPT		30 A	
Max. Short-circuit Current per MPPT		40 A	
Output (AC)			
Nominal AC Output Power	12000 W	15000 W	20000 W
Max. AC Output Power	13200 VA	16500 VA	22000 VA
Nominal AC Voltage		220 V 3L+N	
AC Grid Frequency Range		50 Hz / 60 Hz (±5 Hz)	
Max. Output Current	34.6 A	43.3 A	57.7 A
Power Factor (cosΦ)		-0.8 (Lagging) ~ 0.8 (Leading)	
THDi		3%	
Efficiency			
Max. Efficiency		98.6%	
Euro Efficiency		98.3%	
Protection Devices			
DC Switch		Yes	
Anti-islanding Protection		Yes	
Output Over Current Protection		Yes	
DC Reverse Polarity Protection		Yes	
String Fault Detection		Yes	
AC / DC Surge Protection		DC: Type II / AC: Type III / Type II Optional	
Insulation Detection		Yes	
AC Short Circuit Protection		Yes	
General Specifications			
Dimensions (W x H x D)	380 x 483 x 193 mm	380 x 483 x 223 mm	380 x 483 x 227 mm
Weight	20.7 kg	25.5 kg	32.5 kg
Operating Temperature Range		-25°C ~ +60°C	
Cooling Type		Fan Cooling	
Max. Operating Altitude		4000 m	
Max. Operating Humidity		0 ~ 100% (No Condensation)	
AC Output Terminal Type		Connector	
IP Class		IP66	
Topology		Transformerless	
Communication Interface		RS-485 / WIFI / 4G	
Display		LCD	
Certification & Standard	EN/IEC62109-1/2; IEC/EN61000-6-2; IEC/EN61000-6-4; IEC61683; IEC60068; IEC60529; IEC62116; IEC61727;		