

BluE Series (LV)

Three Phase / On-grid / 12–20 kW



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



Reactive power control
WiFi / 4G Plug optional



DC / AC ratio up to 2
IP66 protection



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;		