

BluE Series

Three Phase / On-grid / 20 kW



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



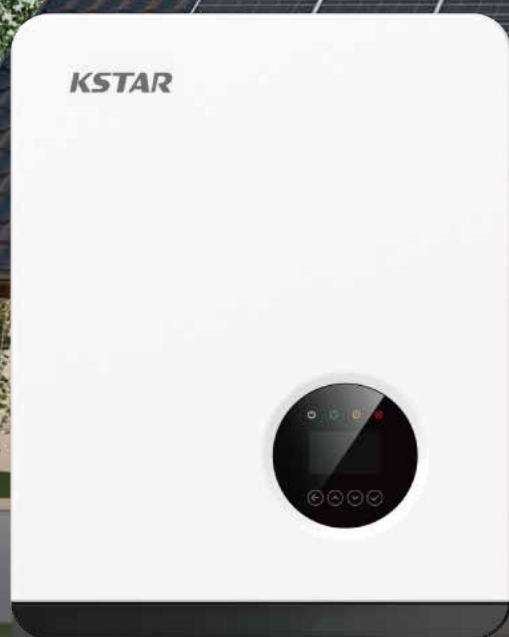
Compatible for Big Capacity PV Panel
WiFi / 4G Plug Optional



DC / AC Ratio up to 1.3
IP66 Protection



High Efficiency up to 98.6%
Smaller and Lighter



MODEL	BluE-20KT-M1
Input (DC)	
Max. DC Voltage	1100 V
Nominal Voltage	650 V
Start Voltage	250 V
MPPT Voltage Range	140 ~ 1000 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	20000 W
Max. AC Output Power	22000 VA
Nominal AC Voltage	400 V 3L+N
AC Grid Frequency Range	50 Hz / 60 Hz (±5 Hz)
Max. Output Current	31.9 A
Power Factor (cosΦ)	0.8 (Leading) ~ 0.8 (Lagging)
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
AFCI Function	Optional
PID Recovery	Optional
General Specifications	
Dimensions (W x H x D)	380 x 483 x 193 mm
Weight	20.7 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/IEC 62109-1/2 ; IEC/EN 61000-6-2; IEC/EN 61000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G99; C10/11; NB/T 32004-2018; GB/T 19964-2012; MEA; PEA