KSTAR

BLUE-G THREE PHASE SERIES

BluE-12KTL / BluE-15KTL / BluE-20KTL



PV On-Grid String Inverter

- Max. PV voltage up to 800V
- Type II DC /AC SPD
- Reactive power control
- WiFi / 4G Plug optional
- DC/AC ratio up to 2
- IP65 protection
- High efficiency up to 98.6%
- Smaller and lighter

MODEL	BluE-12KTL	BluE-15KTL	BluE-20KTL
Input(DC)			
Max. DC Voltage	800V	800V	800V
Nominal Voltage	370V	370V	370V
Start Voltage	180V	180V	180V
MPPT Voltage Range	200V-750V	200V-750V	200V-750V
Number of MPP Tracker	2	2	2
Strings Per MPP Tracker	2	2	2
Max. Input Current Per MPPT	30A	30A	30A
Max. Short-circuit Current Per MPPT	40A	40A	40A
Output(AC)			
Nominal AC Output Power	12000W	15000W	20000W
Maximum AC Output Power	13200VA	16500VA	22000VA
Nominal AC Voltage	220 3L+N	220 3L+N	220 3L+N
AC Grid Frequency Range	50Hz/60Hz±5Hz	50Hz/60Hz±5Hz	50Hz/60Hz±5Hz
Maximum Output Current	34.6A	43.3A	57.7A
Power Factor(Φ)	0.8leading-0.8lagging		
THDi	3%		
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
Euro Efficiency	98.3%	98.3%	98.3%
Protection devices			
DC Switch	Yes		
Output Over Current	Yes		
Anti-islanding 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	380x483x193mm	380x483x227mm	380x483x227mm
Weight	<25kg	<35kg	<35kg
Operating Temperature Range	-25℃~+60℃		
Cooling Type	Fan Cooling		
Max. Operation Altitude	4000m		
Max. Operation Humidity	0-100%(No Condensation)		
AC Output Terminal Type	Connector		
IP Class	IP65		
Topology	Transformer-less		
Communication	RS485/Wifi/4G		
Display	LCD		
Certification & Standard	EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;		

* Specifications subject to change without prior notice.

KSTAR
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