

Giga

PV Inverter

BNI 100-125KTL3-X LV



- 10-channel MPPT design to adapt to complex application scenarios
- Support string monitoring and real-time detection of system malfunctions
- AC & DC type II SPD
- IP66 protection level



Address | 7F, No.190, Sec. 2, Zhongxing Rd., Xindian Dist., New Taipei City 231, Taiwan

Contact Sales | +886-800-585-665 Contact O&M | +886-908-810-990

Email | sales@billionwatts.com.tw



Website



Facebook



Line

Product Specifications

Datasheet	BNI 100KTL3-X LV	BNI 125KTL3-X LV
Input data (DC)		
Max.DC voltage	1100V	
Start voltage	195V	
Rated voltage	600V	
MPP voltage range	180V ~ 1000V	
No. of MPP trackers / Max. No. of PV strings per MPP tracker	10 / 2	
Max. input current per MPP tracker	32A	
Max. short-circuit current per MPP tracker	40A	
Output data (AC)		
Rated AC output power	100KW	125KW
Max. AC apparent power	110KVA	137.5KVA
Max. output current	167.1A	208.9A
Rated AC voltage	380V	
AC grid frequency	60Hz	
Efficiency		
Max. efficiency	98.8%	
European efficiency	98.4%	98.5%
Protection Devices		
DC reverse polarity protection	Yes	
DC switch	Yes	
DC surge protection	Yes	
Insulation resistance monitoring	Yes	
AC surge protection	Yes	
AC short-circuit protection	Yes	
Ground fault monitoring	Yes	
Grid monitoring	Yes	
Anti-islanding protection	Yes	
Residual-current monitoring unit	Yes	
String detection	Yes	
Arc Fault Protection	Optional	
PID prevention	Optional	
General Data		
Dimensions (W / H / D)	970 x 640 x 345 mm	
Weight	84kg	
Nighttime power consumption	<1W	
Topology	Transformerless	
Cooling	Smart air cooling	
Protection degree	IP66	
DC connection	MC4	
Display and Communication		
Display	LED	
RS485 / USB / Wi-Fi	Yes / Yes / Optional	
Warranty : 5 years / 10 years	Yes / Optional	
Standards Compliant	IEC 60529, IEC/EN 62109-1, IEC/EN 62109-2, EN 61000-3, EN 61000-6, NB/T 32004-2018, CGC/GF 035-2013, GB/T 19964-2012, VPC	

*AC voltage and frequency range may vary based on specific grid standards