

Giga

PV Inverter

BNI 125-150KTL3-X MV

BILLION®



- 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



BILLION Watts

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Product Specifications

Datasheet	BNI 125KTL3-X MV		BNI 150KTL3-X MV	
Input data (DC)				
Max.DC voltage	1100V			
Start voltage	195V			
Rated voltage	720V			
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	125KW		150KW	
Max. AC apparent power	137.5KVA		165KVA	
Max. output current	165.4A		198.5A	
Rated AC voltage	480V			
AC grid frequency	60Hz			
Efficiency				
Max. efficiency	99%			
European efficiency	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