Three Phase String PV Inverter

PV125KTL-B

▍ Advantages and Features

5 MPP trackers, max. efficiency up to 99.1%

DC disconnect switch, temperature detection for PV terminals and output terminals, safety precautions

Max. input current of 60A per MPPT, perfectly matched with mainstream components

IP66 protection rating, suitable for harsh environments

Support remote upgrade and operation maintenance, real-time data viewing

Specifications

Product Model	PV125KTL-B
Input Side	
Max. DC Input Voltage	1100V
Start-up Voltage	200V
MPPT Operating Range	180~1000V
Max. DC Input Current/String	60A
Max. Short Circuit Current/String	100A
No.of MPP Trackers	5
No.of Strings per MPP Tracker	3/4
Output Side	
Rated Output Power	125kW
Max. Output Power	137.5kW
Rated Output Voltage	3L/(N)/PE 400V/380V
Rated Grid Frequency	50Hz/60Hz
Grid Connection Method	Three Phase
Rated AC Grid Output Current	180.5A
Max. AC Output Current	198.5A
Output Power Factor	>0.99
Total Harmonics Current Distortion (THDi)	<3% (Rated power)
Efficiency	
Max. Efficiency	≥98.92%
Euro. Efficiency	≥98.12%
Protection	
DC Reverse-Polarity Protection	Yes
High/Low Voltage Ride Through	Yes
AC Output Overcurrent Protection	Yes
Insulation Resistance Protection	Yes
Ground Fault Monitoring	Yes
Anti-islanding Protection	Yes
Surge Protection	Type II
General Data	
Cabinet Size (WxHxD)	980*750*355mm
Weight	95kg
Running Temperature	-30°C~60°C
Ingress Protection	IP66
Cooling Concept	Smart cooling
Permissible Altitude	5000m (Derating above 4000m)
Designed Lifetime	25 Years
Operating Surroundings Humidity	0~100%
Safety EMC / Standard	NB/T 32004
Features	
Display	LED+APP
Interface	RS485, 4G/Bluetooth (Optional)

Disclaimer:

This document may contain forecast information, including but not limited to future finances, operations, product series, new technologies, etc. Due to practice the uncertainty in the actual results may differ from the predicted information. Therefore, the information in this document is for reference only and does not constitute any offer or promise. Shineyoung may modify the above information without notice.