

SN3.0/4.0/5.0/6.0/8.0/10/12PT

Three Phase PV Inverter/2 MPPTs

Safe & Reliable
 IP66 protection & C5 anti-corrosion rating
 Type II SPD, both DC & AC sides
 Built-in arc-fault circuit-interrupter

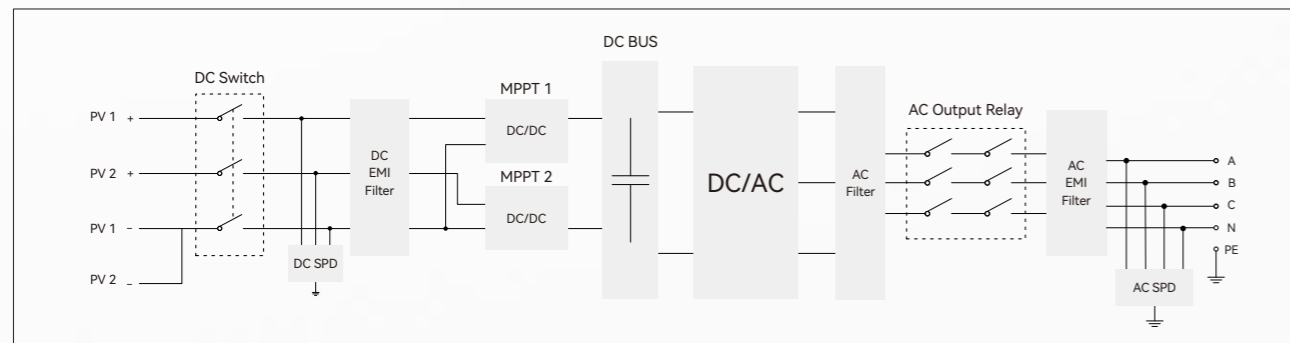
High Yield
 Max. efficiency up to 98.5%
 Up to 16A, max MPPT input current
 1.1 times continuous output overload

High-Performance Management
 Accurate string current detection
 Support export power limit
 Local & remote maintenance

User-Friendly Design
 Fanless design for quiet operation
 Optional OLED screen
 Quickly set up smart monitoring via APP



Circuit Diagram



Model	SN3.0PT	SN4.0PT	SN5.0PT	SN6.0PT	SN8.0PT	SN10PT	SN12PT
Input (PV)							
Max. PV input voltage	1100V						
Recommended max. PV power (STC)	4.5kWp	6kWp	7.5kWp	9kWp	12kWp	15kWp	18kWp
Nominal PV input voltage	620V						
MPPT operating voltage range	140V~1000V						
Full power MPPT voltage range	190V~850V	190V~850V	190V~850V	225V~850V	310V~850V	375V~850V	450V~850V
Startup PV voltage	180V						
Number of PV inputs	2 (2 MPPTs, 1/1)						
Max. current per MPPT	16A						
Max. short circuit current per MPPT	25A						
Output (grid)							
Nominal output power	3kW	4kW	5kW	6kW	8kW	10kW	12kW
Max. output apparent power	3.3kVA	4.4kVA	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA
Max. output current	4.8A	6.4A	8A	9.6A	12.8A	15.9A	19.1A
Nominal grid voltage	3L/N/PE, 230V/400V						
Grid voltage range	320V~480V (According to local standards)						
Nominal grid frequency	50/60Hz						
Power factor range	0.8leading~0.8lagging						
Harmonic (THD)	<3%						
Efficiency							
Max. efficiency	98.00%	98.00%	98.10%	98.20%	98.30%	98.40%	98.50%
EU efficiency	97.60%	97.70%	97.70%	97.80%	98.00%	98.10%	98.20%
General data							
Display mode	LED, OLED(optional)						
Communication port	RS485,WIFI/4G/Ethernet						
Weight	14.5kg	14.5kg	14.5kg	14.5kg	14.5kg	15kg	15kg
Dimensions (W*H*D)	530*465*174mm						
Max. operating altitude	4000m(>3000m derating)						
Cooling method	Natural						
Humidity	0~100%						
Operating temperature	-25~60°C						
Protection level	IP66						
Topology	Transformerless						
Self-consumption at night	< 1W						
Protection							
Leakage current protection	Yes						
Anti-island protection	Yes						
DC reverse protection	Yes						
AC short circuit protection	Yes						
PV string current detection	Yes						
PID recovery	Optional						
DC switch	Yes						
Arc-fault circuit-interrupter	Yes						
Surge protection	DC II/AC II						
Insulation monitoring	Yes						
Over-voltage protection	AC III/DC II						
IEC 62109-1/2, IEC61000-6, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000-3, EN50549-1, VDE4105, C10/11, CEI-0-21, PTPIREE, ORDINANCE No.140							