

SN12(X)/15/17/20/25PT

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-Performance Management

Accurate string current detection
Support export power limit
Local & remote maintenance

High Yield

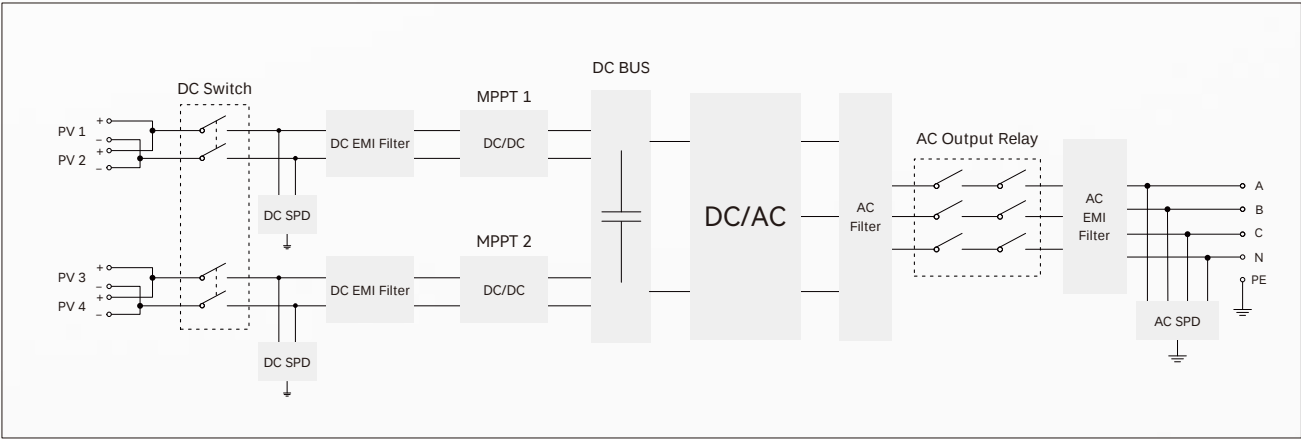
Max. efficiency up to 98.5%
Compatible with bifacial PV modules
1.1 times continuous output overload

User-Friendly Design

Fanless design for quiet operation
Optional OLED screen
Quickly set up smart monitoring via APP



Circuit Diagram



Model	SN12PT-X	SN15PT	SN17PT	SN20PT	SN25PT
Input (PV)					
Max. PV input voltage	1100V				
Recommended max. PV power (STC)	18kWp	22.5kWp	25kWp	30kWp	37.5Wp
Nominal PV input voltage	620V				
MPPT operating voltage range	140V~1000V				
Full power MPPT voltage range	375V~850V	470V~850V	470V~850V	470V~850V	470~850V
Startup PV voltage	180V				
Number of PV inputs	3 (2 MPPTs, 2/1)	3 (2 MPPTs, 2/1)	4 (2 MPPTs, 2/2)	4 (2 MPPTs, 2/2)	4 (2 MPPTs, 2/2)
Max. current per MPPT	32A/20A	32A/20A	32A/32A	32A/32A	40A/32A
Max. short circuit current per MPPT	50A/25A	50A/25A	50A/50A	50A/50A	50A/50A
Output (grid)					
Nominal output power	12kW	15kW	17kW	20kW	25kW
Max. output apparent power	13.2kVA	16.5kVA	18.7kVA	22kVA	27.5kVA
Max. output current	19.1A	23.9A	27.1A	31.9A	39.9A
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	98.50%				
EU efficiency	98.10%				
General data					
Display mode	LED, OLED(optional)				
Communication port	RS485,WIFI/4G/Ethernet				
Weight	23kg	23kg	24kg	25kg	25kg
Dimensions (W*H*D)	580*430*270mm				
Max. operating altitude	4000m(>3000m derating)				
Cooling method	Natural				
Humidity	0~100%				
Operating temperature	-25~60℃				
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					