

SN25(X)/30/33/36/40PT

Three Phase PV Inverter/ 3 MPPTs

- Safe & Reliable**

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

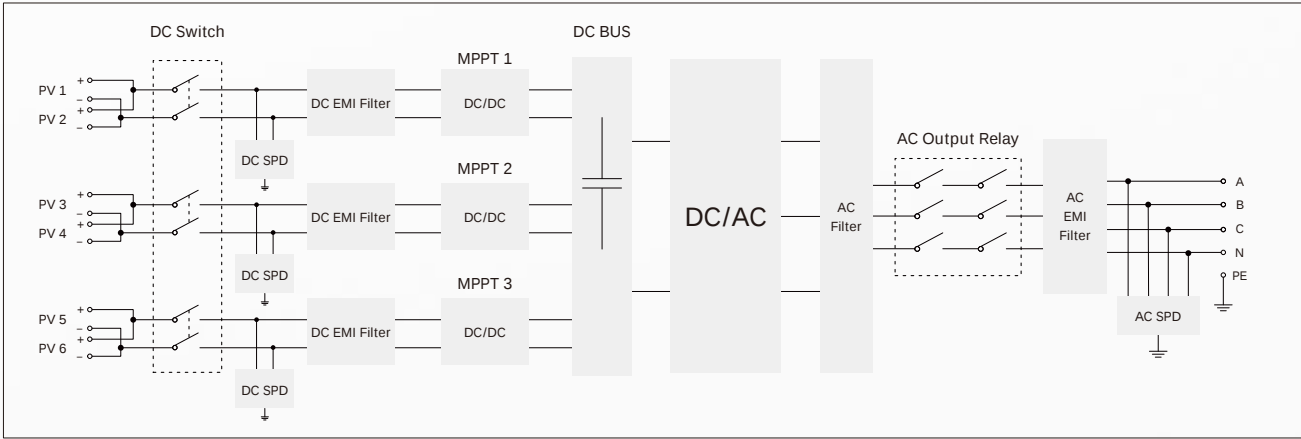
Built-in PID recovery function
Compatible with bifacial PV modules
1.1 times continuous output overload
- High-Performance Management**

Accurate string current detection
Support export power limit
Local & remote maintenance
- User-Friendly Design**

Convenient handle design
Optional OLED screen
Quickly set up smart monitoring via APP



Circuit Diagram



Model	SN25PT-X	SN30PT	SN33PT	SN36PT	SN40PT
Input (PV)					
Max. PV input voltage	1100V				
Recommended max. PV power (STC)	37.5kWp	45kWp	49.5kWp	54kWp	60kWp
Nominal PV input voltage	620V				
MPPT operating voltage range	160V~1000V				
Full power MPPT voltage range	520~850V				
Startup PV voltage	180V				
Number of PV inputs	6（3 MPPTs, 2/2/2）				
Max. current per MPPT	32A/32A/32A	32A/32A/32A	32A/32A/32A	40A/32A/32A	40A/32A/32A
Max. short circuit current per MPPT	50A/50/50A				
Output (grid)					
Nominal output power	25kW	30kW	33kW	36kW	40kW
Max. output apparent power	27.5kVA	33kVA	36.3kVA	39.6kVA	44kVA
Max. output current	39.9A	47.8A	52.6A	57.4A	63.8A
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	98.60%				
EU efficiency	98.30%				
General data					
Display mode	LED, OLED(optional)				
Communication port	RS485,WIFI/4G/Ethernet				
Weight	32kg				
Dimensions (W*H*D)	585*490*260mm				
Max. operating altitude	4000m(>3000m derating)				
Cooling method	Smart fan cooling				
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	Yes				
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, IEC61683, IEC61727, IEC60068, IEC61000-3, EN50549-1, VDE4105, C10/11, VDE0126/VFR2019, CEI-0-21, BIS/CEA, KSC8565, RD1699/UNE217001/UNE206007/NTS Type A, TOR Type A&B, PTPIREE, ORDINANCE No.140					