

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

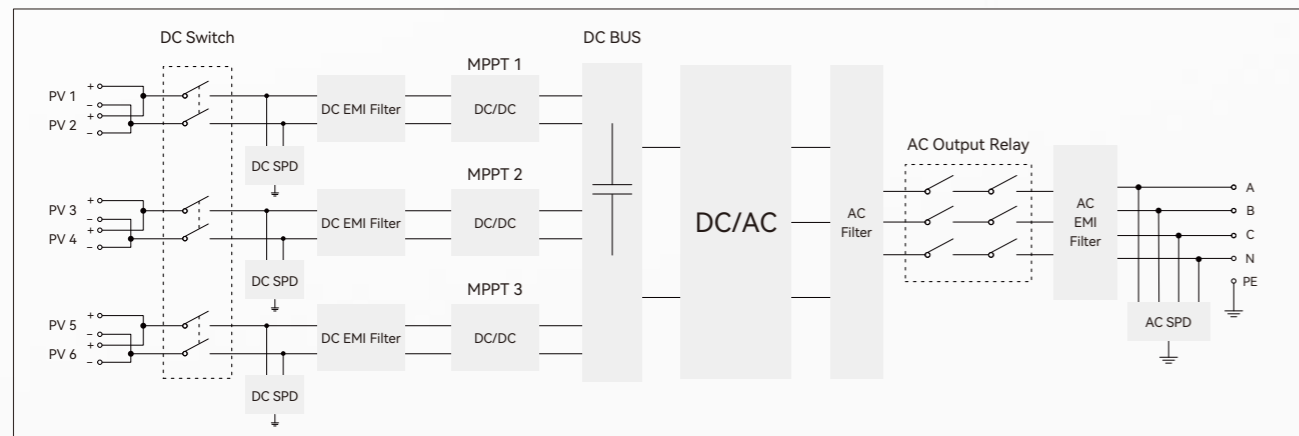
High Yield
 Built-in PID recovery function
 Compatible with bifacial PV modules
 1.1 times continuous output overload

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 | | | | 98.50% | 98.60% |
| EU efficiency | | | | 98.00% | 98.10% |
| General data | | | | | |
| Display mode | | | | | LED, OLED(optional) |
| Communication port | | | | | RS485,WIFI/4G/Ethernet |
| Weight | | | | | 31kg |
| 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°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 | | | | | 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, PTPIREE, RD1699/UNE217001/UNE206007/NTS Type A, TOR Type A&B, ORDINANCE No.140 | | | | | |