

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

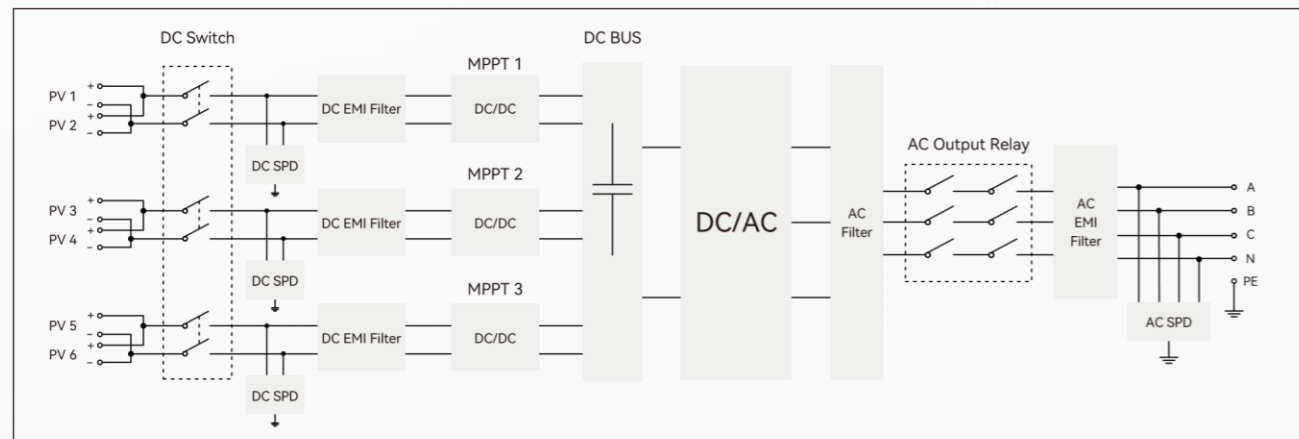
High Yield
 Built-in PID recovery function
 Compatible with bifacial PV modules
 1.1 times continuous output overload

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 | | | | | |