

SN100/110/125PT

Three Phase PV Inverters/ Up to 5 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
Integrated silicon carbide components
Local & remote maintenance

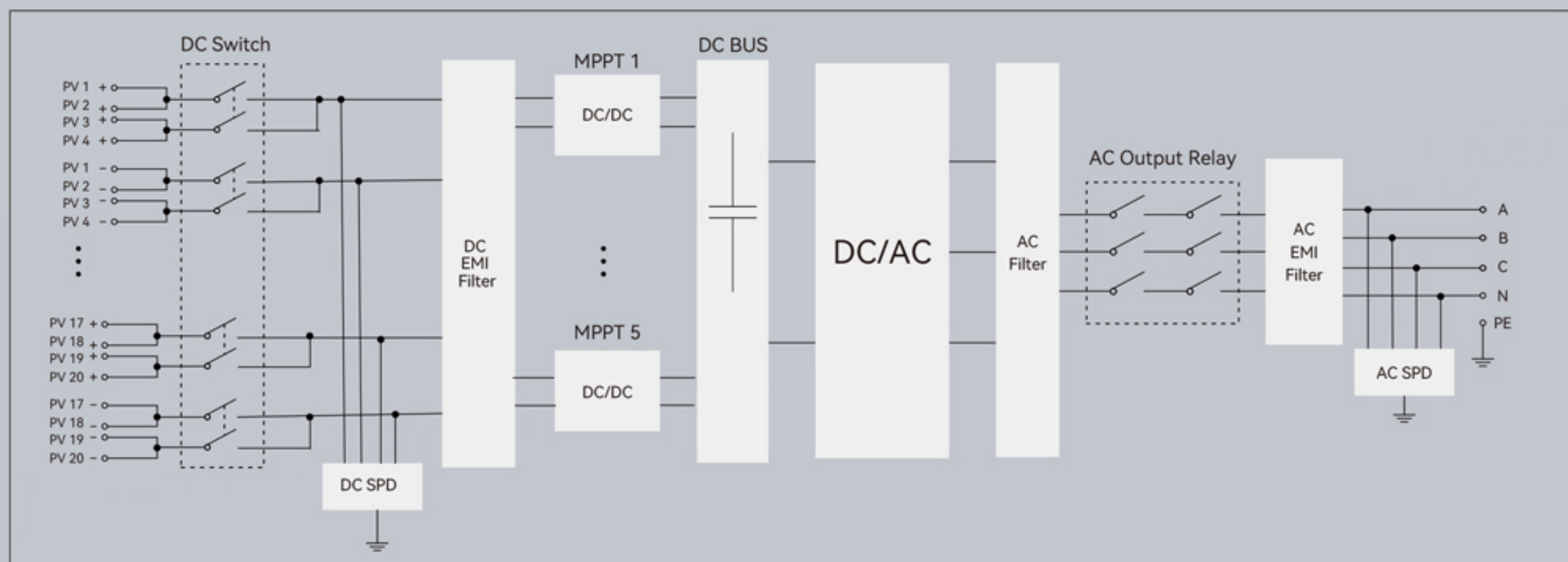


User-Friendly Design

Fuseless design-built in smart switch-disconnectors
Compatible with Al and Cu AC cables
Reversed battery terminal



Circuit Diagram



Model	SN100PT		SN110PT	SN125PT
Input (PV)				
Max. PV input voltage	1100V			
Recommended max. PV power (STC)	150kWp	165kWp	187.5kWp	
Nominal PV input voltage	620V			
MPPT operating voltage range	200V~1000V			
Full power MPPT voltage range	550V~850V			
Startup PV voltage	250V			
Number of PV inputs	16 (4 MPPTs, 4/4/4/4)	20 (5 MPPTs, 4/4/4/4/4)	20 (5 MPPTs, 4/4/4/4/4)	
Max. current per MPPT	64A/64A/64A/64A	64A/64A/64A/64A/64A	64A/64A/64A/64A/64A	
Max. short circuit current per MPPT	100A/100A/100A/100A	100A/100A/100A/100A/100A	100A/100A/100A/100A/100A	
Output (grid)				
Nominal output power	100kW	110kW	125kW	
Max. output apparent power	110kVA@35°C,100kVA@45°C,90kVA@50°C	121kVA@35°C,110kVA@45°C,100kVA@50°C	137.5kVA@35°C,125kVA@45°C,110kVA@50°C	
Max. output current	159.4A	175.4A	199.3A	
Nominal grid voltage	3L/PE or 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	99.00%			
EU efficiency	98.50%			
General data				
Display mode	LED, APP			
Communication port	RS485, WIFI/4G/Ethernet, PLC(optional)			
Weight	75kg			
Dimensions (W*H*D)	1022*750*362 mm			
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	< 3.5W			
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. EN50549-1/2, VDE4105/4110/4120, C10/11, CEI-0-16/21, BIS/CEA, NRS097-2 KSC8565, TOR Type A&B, PTPIREE , MEA/PEA				