

SN5.0/6.0/8.0/10/12/15HT

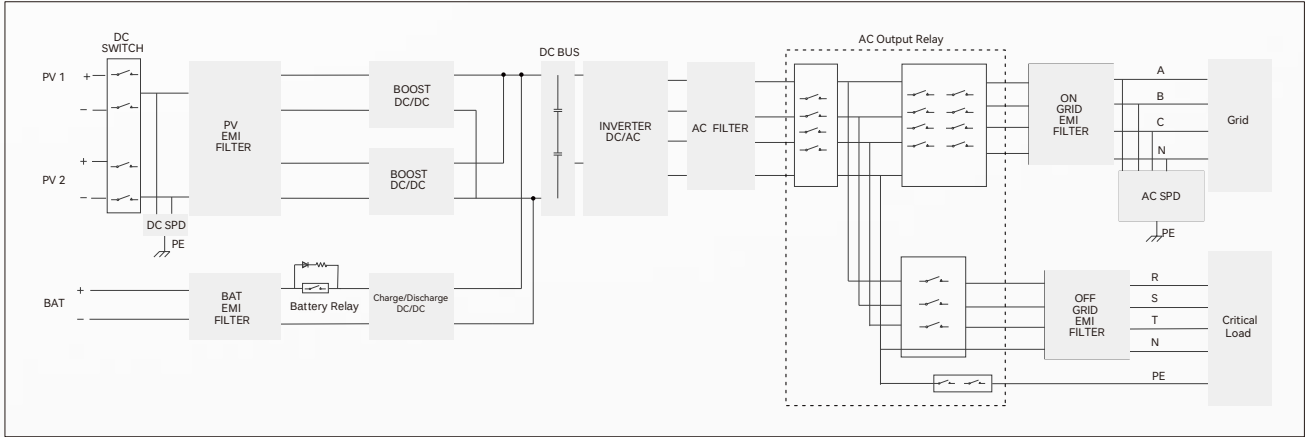
Three Phase Hybrid Inverter/2 MPPTs

Features

- 160~600V Wide battery voltage range
- Built-in multiple operating modes
- Switch time to EPS mode within 10ms
- Extra load capacity under EPS mode
- Support up to 10 units in parallel
- Built-in arc-fault circuit-Interrupter
- 100% three phase unbalanced output
- Intelligent monitoring & maintenance



Circuit Diagram



Model	SN5.0HT	SN6.0HT	SN8.0HT	SN10HT	SN12HT	SN15HT
Input (PV)						
Recommended max. PV power (STC)	7500Wp	9000Wp	12000Wp	15000Wp	18000Wp	22500Wp
Max. PV input voltage	1000V					
Startup voltage	180V					
Nominal PV input voltage	620V					
MPPT operating voltage range	160V~950V					
Number of PV inputs	2 (2MPPTs, 1/1)				3 (2MPPTs, 2/1)	
Max. input current per MPPT	18A				32A/18A	
Max. short circuit current per MPPT	25A				40A/25A	
Battery parameter						
Battery type	Li-on					
Battery voltage range	160V~600V					
Max. charge/discharge current	25A/25A				30A/30A	
Max. charge/discharge power	7500W/7500W	9000W/9000W	12000W/12000W	15000W/15000W	18000W/18000W	18000W/18000W
Grid input/output						
Nominal grid output power	5000W	6000W	8000W	10000W	12000W	15000W
Max. grid output power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA
Max. grid output current	8.33A	10A	13.3A	16.7A	20A	25A
Max. input power from grid	7500VA	9000VA	12000VA	15000VA	18000VA	22500VA
Max. input current from grid	11.4A	13.6A	18.2A	22.7A	27.3A	34.1A
Nominal grid voltage	3L/N/PE, 220V/380V or 230V/400V					
Nominal grid frequency	50/60					
Harmonic(THD)	<3%					
Power factor range	0.8leading~0.8lagging					
Back-up data(EPS mode)						
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W
Peak output power	7500VA, 60s	9000VA, 60S	12000VA, 60s	15000VA ,60s	18000VA, 60s	18000VA,60s
Switch time to EPS mode	10ms					
Nominal output voltage	220V/380 Vor 230V/400V					
Nominal output frequency	50/60Hz					
Efficiency						
Max. efficiency	97.80%		98.20%			
EU efficiency	97.20%		97.50%			
Protection						
Anti islanding protection	Yes					
Leakage current protection	Yes					
PV reverse protection	Yes					
Short circuit protection	Yes					
Arc-fault circuit-interrupter	Yes					
RSD	Optional					
Surge protection	DC II/AC II					
Battery reverse protection	Yes					
General data						
Dimensions(W*H*D)	573*535*206mm					
Weight	24.3kg				26.1kg	
Installation method	Wall-mounted					
Topology	Transformerless					
Protection degree	IP66					
Operating temperature	-25 ~ 60℃					
Humidity	0~ 100%					
Cooling method	Natural				Smart fan cooling	
Max. operating altitude	4000m (>3000m derating)					
Display	LED+APP					
Communication method	Wifi/4G/Ethernet,RS485,CAN					
IEC 62109-1/2, IEC61000-6, IEC61000-3, IEC62116, IEC61727, IEC61683, IEC60068, EN50549-1, EN62477, VDE4105, C10/11, CEI-0-21, TOR Type A PTPIREE: 2021, AS4777-2, PPDS						