

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

Three Phase Hybrid Inverter/2 MPPTs

Safe & Reliable

Built-in arc-fault circuit-Interrupter
IP66 protection & C5 anti-corrosion rating
Remote fault diagnosis and firmware upgrade

High efficiency

DC/AC ratio up to 1.5
Extra load capacity under EPS mode
Switch time to EPS mode within 10ms
High battery conversion efficiency, up to 97%(Battery to load)

User-Friendly Design

100% three phase unbalanced output
160~600V Wide battery voltage range
Adapt to the AC coupling system
Compatible with charging piles, heat pumps, diesel generators
Adaptive adjustment of the phase sequence of the meter and inverter



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 ⁽¹⁾				1000V		
Startup voltage				180V		
Nominal PV input voltage				620V		
MPPT operating voltage range ⁽²⁾				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						
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W
Peak output power	7500VA, 60s	9000VA, 60S	12000VA, 60s	15000VA ,60s	18000VA, 60s	18000VA,60s
Back up switch time	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)	577*537*206mm					
Weight	26kg				29kg	
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, IEC61000-3, EN50549-1, IEC/EN62477, VDE4105, C10/11, CEI-0-21, TOR Type A PTPIREE: 2021, AS4777-2, PPDS						
(1) Exceeding the maximum input voltage will damage the inverter and trigger its self-protection mechanism. (2) DC input voltage beyond the MPPT operating voltage range will cause the inverter to be out of work.						