

SN1000S SERIES

Honwin's SN1000S series of household hybrid inverters are designed to provide you with intelligent and convenient all-in-one photovoltaic solutions. Based on advanced power conversion and energy storage technology, it integrates important components such as on grid and off grid energy storage inverters, switch boxes, batteries, etc. Its elegant and unique appearance adopts advanced modular design, plug and play connectors, extremely convenient installation and use, intelligent and easy to operate working mode, and remote intelligent operating system, can perfectly integrate modern smart home life.



*ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY.
ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT.



Surge secondary protection



Prevent counter current protection



Battery capacity is expandable



Anti-islanding protection



Compatible with RS485/WIFI/
GPRS/mobile APP



Enable backup power supply
seamlessly for less than 10ms

Technical Parameters	SN1000S-3K	SN1000S-5K	SN1000S-6K
Efficiency			
Max efficiency	98.2%	98.3%	98.3%
Euro efficiency	97.2%	97.5%	97.8%
MPPT efficiency	99.0%	99.0%	99.0%
Max. charge/discharge efficiency	95.3%	95.5%	95.5%
DC (PV) Input			
Max. Input power	6000W	9000W	9000W
Max. DC input voltage	480V		
Start operating voltage	90V		
MPPT voltage range	90~480V		
Rated input voltage	360V		
Max. input current per MPPT	14A		
Max. short-circuit current per MPPT	18A		
Number of MPPT	2		
Number of strings per MPPT input	1		
AC (on-grid) Output			
Rated output power	3000W	5000W	6000W
Max. Apparent power	3000VA	5000VA	6000VA
Rated grid voltage	220V/230V		
Rated grid frequency / range	50Hz/60Hz, ±5Hz		
Max. Output current	13.6A	22.7A	27.2A
Power factor	~1(0.8 leading, 0.8 lagging)		
THDi	<2%		
AC (off-grid) Output			
Rated output power	3000W	5000W	6000W
Max. output power	3000VA	5000VA	6000VA
Rated output voltage	220V/230V		
Off-grid switching time	<10ms		
Rated output frequency	50Hz/60Hz		
Max. Output current	13.6A	22.7A	27.2A
THDv	<2%		
Battery Parameters			
Battery type	Lithium battery/Lead-Acid battery		
Battery voltage range	42~59V		
Max.Charge/Discharge current	60A	120A	120A
Max.Charge power	3000W	6000W	6000W
Max.Discharge power	3000W	6000W	6000W
Protection Feature			
DC/AC surge protection	Class II		
DC/AC lightning protection	Class II		
Battery over-voltage/under-voltage protection	Possess		
Grid under-frequency/ over-frequency protection	Possess		
Prevent counter current	Possess		
DC output overcurrent protection	Possess		
AC output overvoltage protection	Possess		
Ground fault protection	Possess		
Grid detection	Possess		
Anti-islanding protection	Possess		
Insulation impedance detection	Possess		
Leakage current monitoring	Possess		
Grid AC reverse charging	Possess		
Temperature protection	Possess		
General Data			
Dimension(W*H*D)	325*625*141.5mm		
Weight (without battery)	12kg	14kg	14kg
Installation mode	Wall mounting		
Operating temperature range	-25°C~+60°C		
Relative operating humidity	0%RH~100%RH		
Max. Operating altitude	Derating above 2000m, one gear per 1000m above sea level		
Night self-consumption of electricity	<10W		
Topology	Battery (Low voltage) side isolation		
Cooling mode	Intelligent air-cooled		
Human-Machine interaction mode	LCD+APP/Bluetooth/WIFI/GPRS		
IP grade	IP20, IP50 are optional		
BMS communication	RS485;CAN		
Electricity meter communication	RS485		
Safety	IEC 62109-1、IEC 62109-2、IEC 61727、EN61000-6-1、EN61000-6-3、EN61000-3-11、EN61000-3-12		
On-grid standards	EN 50549-1、VDE-AR-N 4105/VDE V 0124、CEI 0-21、NRS 097-2-1: 2017、MEA/PEA、TISI certification		