

SN6000S SERIES

Honwin's SN6000S 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.



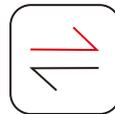
Support generator



Surge secondary protection



Prevent counter current protection



Enable backup power supply seamlessly for less than 10ms



Protection level ip65



Compatible with RS485/WIFI/
GPRS/mobile APP

Technical Parameters	SN6000S-3K	SN6000S-3.68K	SN6000S-4K	SN6000S-5K	SN6000S-6K
Efficiency					
Max efficiency	98.10%	98.1%	98.2%	98.2%	98.3%
Euro efficiency	97.10%	97.2%	97.2%	97.4%	97.7%
MPPT efficiency	98.9%	98.9%	98.9%	98.9%	98.9%
Max. charge and discharge efficiency	95.4%	95.4%	95.4%	95.5%	95.5%
DC (PV) Input					
Max. input power	6000W	7500W	8000W	9000W	9000W
Max. DC input voltage	550V				
Start-up voltage	90V				
MPPT voltage range	90V~550V				
Rated input voltage	360V				
Max. Input current per MPPT	14A				
Max. Short-circuit current per MPPT	18A				
MPPT quantity	2				
Number of input strings per MPPT	1				
AC (on-grid) Output					
Rated output power	3000W	3680W	4000W	5000W	6000W
Max. Apparent power	3000VA	3680VA	4000VA	5000VA	6000VA
Rated grid voltage	220V/230V				
Rated grid frequency/range	50Hz/60Hz, ±5Hz				
Max. Output current	13.6A	16.7A	18.4A	22.7A	27.2A
Power factor	~1 (0.8 lead, 0.8 lag)				
THDi	<2%				
AC (off-grid) Output					
Rated output power	3000W	3680W	4000W	5000W	6000W
Max. Apparent power	3000VA	3680VA	4000VA	5000VA	6000VA
Rated output voltage	220V/230V				
Rated output frequency	50Hz/60Hz				
Off-grid switching time	<10ms				
Max. Output current	13.6A	16.7A	18.4A	22.7A	27.2A
THDv	<2%				
Generator Input					
Max. Input power	3000W	3680W	4000W	5000W	6000W
Rated input current	13.6A	16.7A	18.4A	22.7A	27.2A
Rated input voltage	220V/230V				
Rated input frequency	50Hz/60Hz				
Battery Parameters					
Battery type	Lithium battery/lead-acid battery				
Battery voltage range	42V~59V				
Max. Charge/Discharge current	60A	80A	80A	120A	120A
Max. Charge power	3000W	4000W	4000W	6000W	6000W
Max. Discharge power	3000W	4000W	4000W	6000W	6000W
Protection Feature					
Generator function	Possess				
DC switch	Possess				
DC/AC surge protection	Class II				
DC/AC lightning protection	Class II				
Battery over-voltage/under-voltage protection	Possess				
Grid over/under-frequency protection	Possess				
Prevent counter current protection	Possess				
AC output over-current protection	Possess				
AC output over-voltage protection	Possess				
Ground fault protection	Possess				
Grid monitoring	Possess				
Anti-islanding protection	Possess				
Leakage current monitoring	Possess				
Insulation impedance monitoring	Possess				
Grid AC reverse charging	Possess				
Temperature protection	Possess				
General Data					
Dimension (W*H*D)	447.5*491.5*222.5mm				
Weight(without battery)	19kg	19kg	19kg	22kg	22kg
Installation mode	Wall mounting				
Operating temperature range	-25°C~+60°C				
Relative operating humidity	0%RH~100%RH				
Max. Operation altitude	2000m, 1000m per liter of altitude, derating one gear				
Night self-consumption of electricity	<10W				
Topology	Battery (low voltage) side isolation				
Cooling mode	Natural convection				
Human-Machine interaction	LCD+APP/Bluetooth/WIFI/GPRS				
Protection grade	IP65				
BMS communication	RS485;CAN				
Electric meter communication mode	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				