

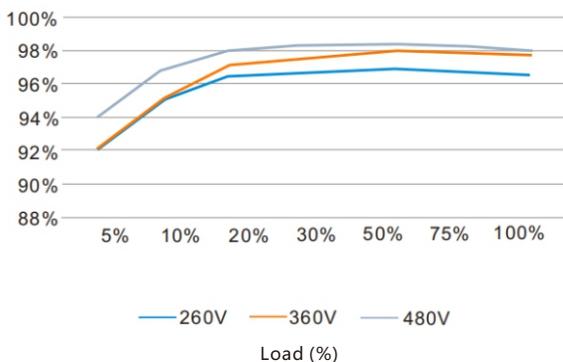
# SN3000S SERIES

Honwin's SN3000S series of household photovoltaic grid connected inverters are based on advanced power conversion technology, integrating important components such as on grid and off grid inverters, switch boxes. The advanced modular design, intelligent and easy to operate working modes, and remote intelligent operating systems, can perfectly integrate modern smart home life.

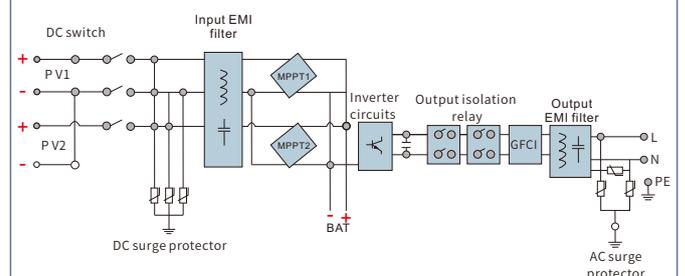


\*ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT.

## Efficiency curve



## Circuit diagram



Technical Parameters	SN3000S-3K	SN3000S-3.68K	SN3000S-4K	SN3000S-5K	SN3000S-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%
DC (PV) Input					
Max. Input power	6000W	7500W	8000W	9000W	9000W
Max. DC input voltage	550V				
Start operating voltage	90V				
MPPT voltage range	90-550V				
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	3000 W	3680 W	4000 W	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 ahead, 0.8 hysteresis)				
THDi	<2%				
AC (off-grid) Output					
Rated output power	3000 W	3680 W	4000 W	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%				
Protection Feature					
DC switch	Possess				
DC/AC surge protection	Class II				
DC/AC lightning protection	Class II				
Grid over/under frequency protection	Possess				
Anti-islanding protection	Possess				
Insulation impedance monitoring	Possess				
Leakage current monitoring	Possess				
AC output over-current protection	Possess				
AC output over-voltage protection	Possess				
Ground fault protection	Possess				
Grid monitoring	Possess				
General Data					
Dimension (W*H*D)	353*417*178mm				
Weight	9kg	9kg	9kg	11kg	11kg
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				
Cooling mode	Natural convection				
Human-Machine interaction	LCD+APP/Bluetooth/WIFI/GPRS				
Protection grade	IP65				
Communication	RS485, WIFI, Bluetooth, APP				
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				