

HPS5000TLS/7500TLS/10000TLS

5-10kW single phase all-in-one hybrid inverter for home, school or villa application.

Features



All-in-one hybrid inverter



Compact design



Touchscreen LCD



Seamless on/off grid transfer within 10 ms



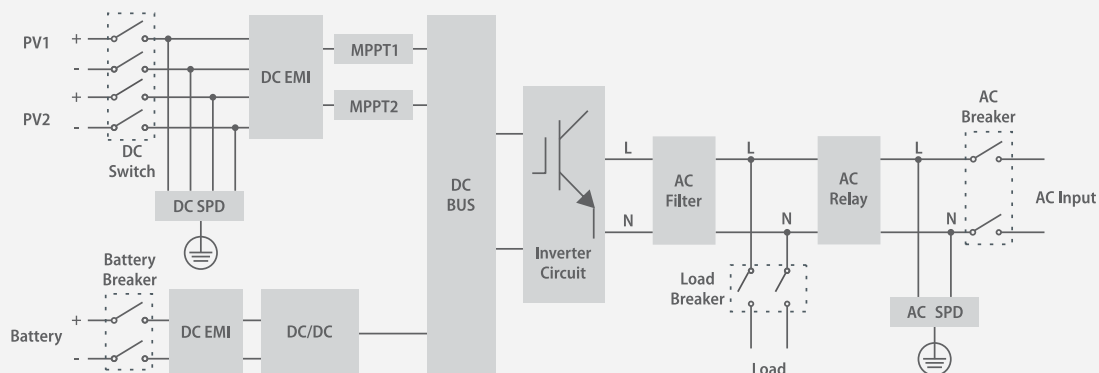
Support remote control of DG



Programmable working mode



Block Diagram



	HPS5000TLS	HPS7500TLS	HPS10000TLS
AC(on-grid)			
Apparent power	6.25kVA	9.4kVA	12.5kVA
Rated power	5kW	7.5kW	10kW
Rated voltage	230V	230V	230V
Rated current	21.5A	32.6A	43.4A
Voltage range	210V-250V	210V-250V	210V-250V
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Frequency range	47~51.5/57~61.5Hz	47~51.5/57~61.5Hz	47~51.5/57~61.5Hz
THDI	<3%	<3%	<3%
PF	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading
AC connection	L/N/PE	L/N/PE	L/N/PE

AC(off-grid)			
Apparent power	6.25kVA	9.4kVA	12.5kVA
Rated power	5kW	7.5kW	10kW
Rated voltage	230V	230V	230V
Rated current	21.5A	32.6A	43.4A
THDU	≤2% linear	≤2% linear	≤2% linear
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Overload capability	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min

DC (Battery and PV)			
Max. PV Open-circuit voltage	600V	750V	750V
Max. PV power	6kWp	9kWp	12kWp
PV MPPT voltage range	125V-550V	370V-600V	370V-600V
Number of MPPT	2	2	2
Recommended rated battery voltage	300V	350V	450V
Battery voltage range	230-600V	280-700V	280-700V
Full load battery voltage range	250-600V	300-700V	400-700V
Max. charge/discharge power	5kW	7.5kW	10kW
Max. charge/discharge current	25A	25A	25A

General Information			
Protection devices	PV DC switch, battery breaker and fuse, PV fuse, AC input breaker, load breaker		
Protection degree	IP65	IP65	IP65
Noise emission	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m
Operating temperature	-25 °C~+55 °C	-25 °C~+55 °C	-25 °C~+55 °C
Cooling method	Forced-air	Forced-air	Forced-air
Relative humidity	0-95% non-condensing	0-95% non-condensing	0-95% non-condensing
Max. altitude	6000m (derate over 3000m)	6000m (derate over 3000m)	6000m (derate over 3000m)
Dimension (W/H/D)	600/700/250mm	600/700/250mm	600/700/250mm
Weight	50kg	50kg	50kg
Topology	Transformerless	Transformerless	Transformerless
Lightning protection	Type II	Type II	Type II
Transfer between on/off grid	Automatic≤10ms	Automatic≤10ms	Automatic≤10ms
Standby consumption	<20W	<20W	<20W

Communication			
Display	Touch screen	Touch screen	Touch screen
Communication	RS485/CAN	RS485/CAN	RS485/CAN

Certificate			
CE , MEA , PEA , EN 61000-6-4:2007+A1:2011 , EN61000-6-2:2005 , EN62109-1:2010 , EN62109-2:2011			