

HPS15000TL/HPS20000TL HPS30000TL

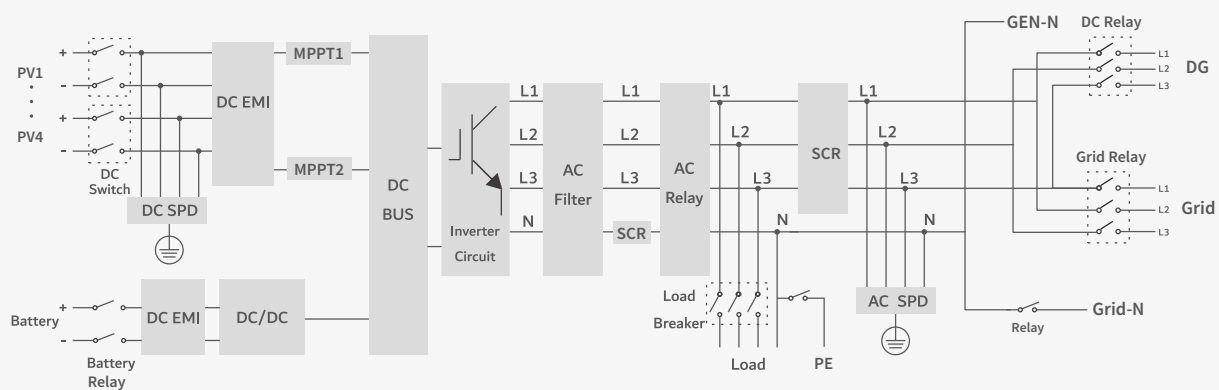
15-30kW three phase all-in-one hybrid inverter for small commercial use.

Features

-  All-in-one hybrid inverter
-  ATS function inbuilt
-  IP65 waterproof design
-  Seamless on/off grid transfer within 10 ms
-  Max. 10 units in parallel for on&off grid operation
-  Support remote control of DG
-  Programmable working mode
-  Multiple MPPT inputs



Block Diagram



	HPS15000TL	HPS20000TL	HPS30000TL
AC(on-grid)			
Apparent power	16kVA	22kVA	33kVA
Rated power	15kW	20kW	30kW
Rated voltage	400V	400V	400V
Rated current	21A	28A	43A
Voltage range	360V-440V	360V-440V	360V-440V
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Frequency range	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz
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	3L/N/PE	3L/N/PE	3L/N/PE
MAX. AC Input Power	22.5kW	30kW	45kW

AC(off-grid)			
Apparent power	16kVA	22kVA	33kVA
Rated power	15kW	20kW	30kW
Rated voltage	400V	400V	400V
Rated current	21A	28A	43A
THDU	≤2% linear		
Rated frequency	50/60Hz		
Overload capability	110%-10 mins 120%-1 min, 150%-10s		

DC (Battery and PV)			
Max. PV Open-circuit voltage	1000V	1000V	1000V
Max.PV access power	30kWp	40kWp	60kWp
Max.PV input power	23kWp	30kWp	45kWp
PV MPPT voltage range	125V-850V	125V-850V	125V-850V
Number of MPPT	2	2	2
PV input/MPPT	2/2	2/2	2/2
PV input current	40/40A	40/40A	40/40A
Max. PV Isc	60/60A	60/60A	60/60A
Max. PV Isc/Channel	20A	20A	20A
Battery voltage range	150-700V	150-700V	150-700V
Full load battery voltage range	300-700V	300-700V	350-700V
Max. charge/discharge power	15kW	20kW	30kW
Max. charge/discharge current	50A	66A	75A

General Information	
Protection devices	PV DC switch, PV fuse, battery breaker and fuse
Protection degree	IP65
Noise emission	<65dB(A)@1m
Operating temperature	-40 °C~+60 °C
Cooling method	Intelligent air cooling
Relative humidity	0-100% non-condensing
Max. altitude	5000m (derate over 3000m)
Dimension (W/H/D)	450/635/225mm
Weight	45kg
Topology	Transformerless
Lightning protection	Type II
Transfer between on/off grid	Automatic≤10ms
Standby consumption	<20W

Communication	
Display	Touch screen
Communication	RS485/CAN

Certificate	
CE , EN IEC 61000-6-4:2019 , EN 61000-3-12:2011 , EN IEC 61000-3-11:2019 , EN IEC 61000-6-2:2019 , EN62109-1:2010 , EN62109-2:2011 , NRS097-2-1:2017	