

HPS30000TL-US-208A

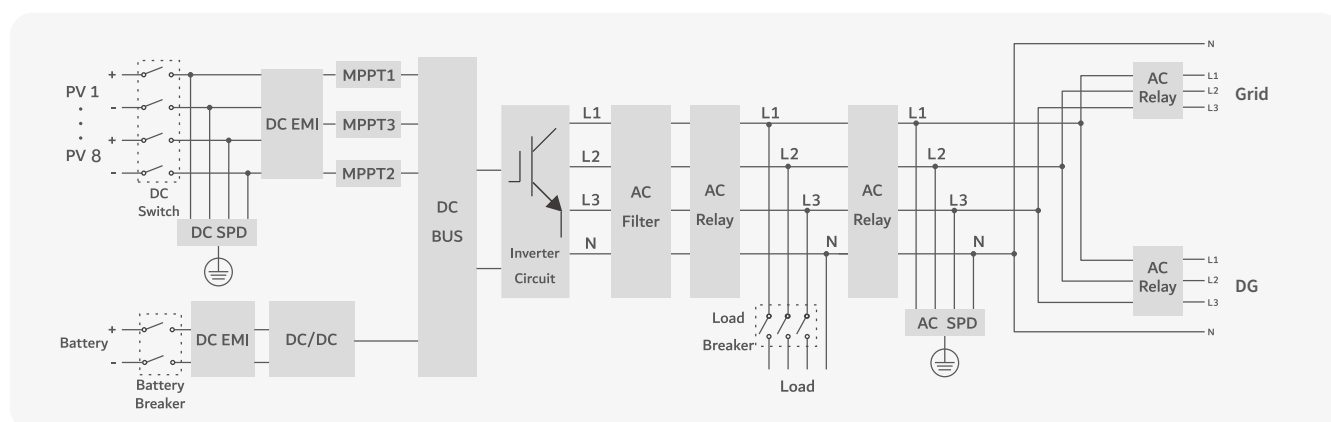
30kW three phase all-in-one hybrid inverter for small commercial use with AFCI function.

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
-  Multiple MPPT inputs
-  AFCI(PV Arc Fault Detection) Integrated
-  Max. 10 units in parallel for on&off grid operation



Block Diagram



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AC(on-grid)

Apparent power	30kVA
Rated power	30kW
Rated voltage	120/208V Wye
Rated current	83A
Voltage range	190-240V Wye/High-leg delta with split phase (Opt) (Derate below 208V 3P)
Rated frequency	50/60Hz
Frequency range	48~52/58~62Hz
THDI	<3%
PF	0.8 lagging~0.8 leading
AC connection	3L/N/PE
AC Input	45kVA(Built-in ATS)

AC(off-grid)

Apparent power	30kVA
Rated power	30kW
Rated voltage	120/208V Wye
Rated current	83A
Voltage range	190-240V Wye/High-leg delta with split phase (Opt) (Derate below 208V 3P)
THDU	≤2% linear
Rated frequency	50/60Hz
Overload capability	110%-10 mins 120%-1 min

DC (Battery and PV)

Max. PV Open-circuit voltage	650V
Max. PV power	45kWp
PV MPPT voltage range	125V-550V
Number of MPPT	3
PV input/MPPT	2/3/3
PV input current/MPPT	40/60/60A
Max. PV input current	160A
Max. PV Isc/MPPT	60/90/90A
Battery voltage range	260-620V
Full load battery voltage range	300-600V
Max. charge/discharge power	30kW
Max. charge/discharge current	100A

General Information

Protection devices	PV DC switch, AFCI, battery breaker and fuse
Protection degree	Type 3R or IP65
Noise emission	<65dB(A)@1m
Operating temperature	-25 °C~+55 °C
Cooling method	Forced-air
Relative humidity	0-95% non-condensing
Max. altitude	2000m (derate over 2000m)
Dimension (W/H/D)	600/990/315mm
Weight	100kg
Topology	Transformerless
Surge Protection	DC Type II / AC Type III
Transfer between on/off grid	Automatic≤10ms
Standby consumption	<20W
Warranty	10 Years

Communication

Display	Touch screen
Communication	RS485/CAN
Monitoring	WiFi or 4G module available

Certificate

UL1741, CSA-C22.2