

# HPS30000TL-US-208

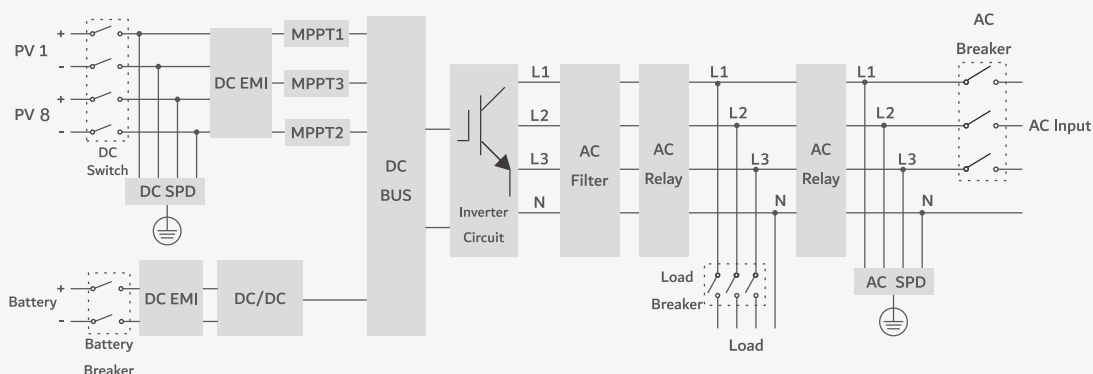
30kW three phase all-in-one hybrid inverter for small commercial use.

## 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
-  Max. 10 units in parallel for on&off grid operation



## Block Diagram



## HPS30000TL-US-208

### AC(on-grid)

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Apparent power  | 30kVA                                                                     |
| Rated power     | 30kW                                                                      |
| Rated voltage   | 208V                                                                      |
| 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 | 47~53/57~63Hz                                                             |
| THDI            | <3%                                                                       |
| PF              | 0.8 lagging~0.8 leading                                                   |
| AC connection   | 3L/N/PE                                                                   |

### AC(off-grid)

|                     |                                                                           |
|---------------------|---------------------------------------------------------------------------|
| Apparent power      | 30kVA                                                                     |
| Rated power         | 30kW                                                                      |
| Rated voltage       | 208V                                                                      |
| 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    | 800V      |
| Max. PV power                   | 45kWp     |
| PV MPPT voltage range           | 125V-620V |
| 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   | 85A       |

### General Information

|                              |                                                |
|------------------------------|------------------------------------------------|
| Protection devices           | PV DC switch, PV fuse,battery breaker and fuse |
| Protection degree            | Type 3R or IP54                                |
| 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)            | 600/1000/315mm                                 |
| Weight                       | 90kg                                           |
| Topology                     | Transformerless                                |
| Lightning protection         | Type II                                        |
| Transfer between on/off grid | Automatic≤10ms                                 |
| Standby consumption          | <20W                                           |

### Communication

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