









Smart Pack 30/50

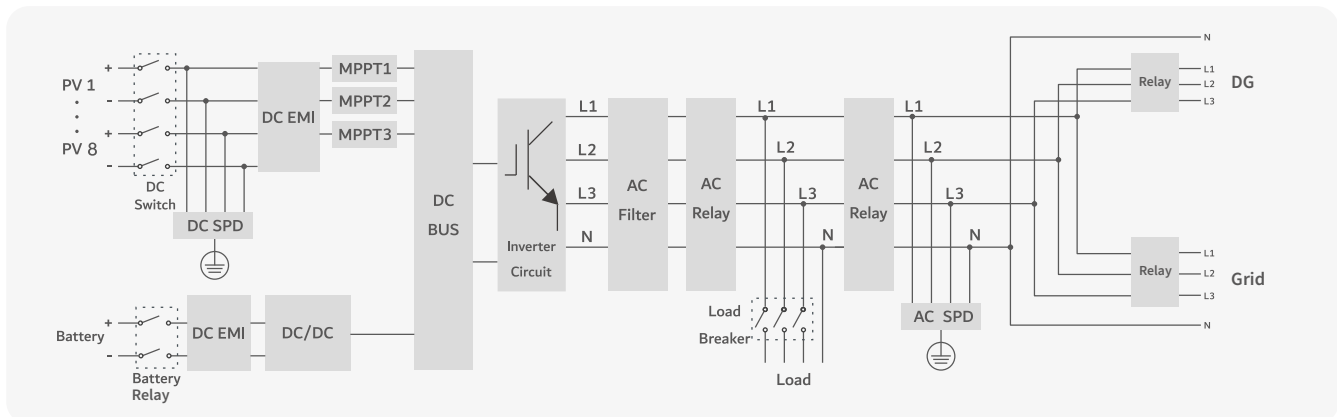
30-50kW three phase all-in-one hybrid inverter for small commercial use.

Features

-  Flexible configuration
-  ATS function inbuilt
-  Battery+Inverter intergrated System
-  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



Block Diagram



HPS30000TL-AU		HPS50000TL-AU
Model		
Nominal Output Power	30kW	50kW
Rated voltage	400V	400V
Capacity Range	51.2kWh	56.32 kWh
Battery Chemistry	LFP (LiFePO4)	
System Ingress Protection	IP65	
Operation Temperature Range	-25~55 °C	
Communication	WIFI/4G/RS485/CAN	
Certifications & Standards	AS4777.2 (submitted), 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	

Inverter Technical Specifications

PV Strings Input Data		
Max. PV Input Power	45kW	75kW
Max. PV Input Voltage	1000V	1000V
MPPT Voltage Range	125-850V	125-850V
Max. Input Current per MPPT	40A	40A
MPPT Number / Max. Input String	2/3/3	2/3/3

Battery

Battery Voltage Range	260-700V	260-700V
Max.Charge / Discharge Current	100A	100A

AC Input & Output Data

Max. Output Power (On-Grid)	30KW	50KW
Max Output Power (Off-Grid)	30KW	50KW
Nominal Voltage	400V	400V
Rated frequency	50/60HZ	
AC Connection	3L/N/PE	
Switch Time	< 10ms	
Overload capability	110%-10 mins 120%-1min	

General data

Dimensions (W x D x H)	600/990/280mm	
Weight	90KG	
Max.altitude	5000m(derate over 3000m)	
Lightning Protection	type II	
Noise Emission	< 65dB(A)@1m	
Certifications & Standards	AS4777.2 (submitted), 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	

Battery Technical Specification

Module Capacity	5.12 kWh	
Depth of Discharge (DOD)	100% DOD*	
Nominal Voltage	51.2V	
Max. Charging/Discharging Current	100A	
Operating Temperature Range	-10°C ~ 55 °C (Charge) ; -20 °C ~ 55 °C (Discharge)	
Cycle Life	6000*	
Dimensions (W x D x H)	1052/1627/850mm	
Weight	650kg/694kg	
Certification	AS4777.2 (submitted), 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	

*Test condition: Max.0.5C charge/discharge at 25+2°C