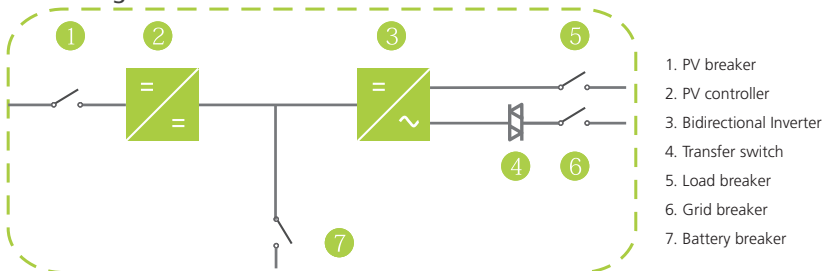




## Leading - edge Technology

- ▶ All in one solution with PV, battery, load and grid integrated
- ▶ Expandable PV controller for flexible PV capacity design
- ▶ Touch Screen LCD
- ▶ Flexible Battery Type(li-ion,lead-acid)
- ▶ Comprehensive Protection for Inverter and Battery
- ▶ Multiple Working Mode Presetable
- ▶ Battery Forecast (discharge time, capacity, etc)
- ▶ CAN and RS485 Communication Interface, Modbus Protocol
- ▶ Seamless transfer between on and off grid via build in transfer switch
- ▶ Build-in transformer for grid isolation

### Block Diagram



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Datasheet	HPS 30	HPS 50	HPS 120	HPS 150
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AC(Grid-connected)				
Rated power	38kVA	60kVA	150kVA	188kVA
AC active power	30kW	48kW	120kW	150kW
Rated voltage	400V	400V	400V	400V
Voltage Range	360V - 440V	360V - 440V	360V - 440V	360V - 440V
Rated frequency	50/60Hz	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	47~51.5/57~61.5Hz
THDI	<3%	<3%	<3%	<3%
PF	0.8lagging~0.8leading	0.8lagging~0.8leading	0.8lagging~0.8leading	0.8lagging~0.8leading
AC connection	3/N/PE	3/N/PE	3/N/PE	3/N/PE

AC(Off-grid)				
Rated power	38kVA	60kVA	150kVA	188kVA
AC active power	30kW	48kW	120kW	150kW
Rated voltage	400V	400V	400V	400V
THDU	≤1%linear	≤1%linear	≤1%linear	≤1%linear
Rated frequency	50/60Hz	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	110%-10 mins 120%-1 min

DC(battery)				
Max voltage of the PV production	1000 VDC	1000 VDC	1000 VDC	1000 VDC
photovoltaic power range	30KWp	50KWp	120KWp	150KWp
MPPT voltage range of the PV production	480VDC-800VDC	480VDC-800VDC	480VDC-800VDC	480VDC-800VDC
Battery voltage(V1 is battery float charge voltage,V2 is battery boost charge voltage)	352V...(Vmpp-100)* (V1/V2)Vmax<=600V	352V...(Vmpp-100)* (V1/V2)Vmax<=600V	352V...(Vmpp-100)* (V1/V2)Vmax<=600V	352V...(Vmpp-100)* (V1/V2)Vmax<=600V

General Data				
Dimension (W/D/H)	950/750/1850mm	950/750/1850mm	1350/750/1850mm	1350/750/1850mm
Weight	350KG	500KG	650KG	650KG
Operating Temperature Range	-25 °C ... +55 °C	-25 °C ... +55 °C	-25 °C ... +55 °C	-25 °C ... +55 °C
Relative Humidity	0 ~95%	0 ~95%	0 ~95%	0 ~95%
Degree of Protection	IP20	IP20	IP20	IP20
Noise Emission	65dB(A)@1m	65dB(A)@1m	65dB(A)@1m	65dB(A)@1m
Maximum Operating Altitude	6000m (Derating over 3000m)	6000m (Derating over 3000m)	6000m (Derating over 3000m)	6000m (Derating over 3000m)
Standby consumption	<30W	<30W	<30W	<30W
Cooling	Air Forced	Air Forced	Air Forced	Air Forced
Display	Touch screen LCD	Touch screen LCD	Touch screen LCD	Touch screen LCD
Communication Interface	RS485/Ethernet	RS485/Ethernet	RS485/Ethernet	RS485/Ethernet

