HYBRID INVERTER
HPS 30/50/100/120/150



- Large capacity all-in-one hybrid inverter for commercial application, supporting up to 600kW sustem capacity
  All-in-one hybrid inverter
- Programmable working mode
- Touchscreen LCD
- Seamless on/off grid transfer
- Support remote control of DG
- Quadruple capacity by paralleling 4 units

	HPS30	HPS50	HPS100	HPS120	HPS150
AC (Grid-connected)					
Apparent power	33kVA	55kVA	110kVA	132kVA	165kVA
Rated power	30kW	50kW	100kW	120kW	150kW
Rated voltage	400V				
Rated current	43A	72A	144A	173A	217A
Voltage range	360V - 440V				
Rated frequency	50/60Hz				
Frequency range	45~55/55~65Hz				
THDI	<3%				
PF	0.8lagging~0.8leading				
AC connection	3/N/PE				
AC input	60kVA	100kVA	200kVA	240kVA	240kVA
AC(Off-grid)					
Apparent power	33kVA	55kVA	110kVA	132kVA	165kVA
Rated power	30kW	50kW	100kW	120kW	150kW
Rated voltage	400V				
Rated current	43A	72A	144A	173A	217A
THDU	≤2%linear				
Rated frequency	50/60Hz				
Overload capability	110%-10 mins 120%-1 min				
DC (Battery and PV)					
Max. PV open-circuit voltage	1000V DC				
Max. PV power	45kWp	75kWp	150kWp	180kWp	225kWp
PV MPPT voltage range	480V-800V DC				
Battery voltage range at Max. charge power	450V-600V	500V-600V	500V-600V	517V-600V	500V-600V
Battery voltage range	352-600V				
Max. charge power	45kW	75kW	150kW	180kW	225kW
Max. discharge power	33kW	55kW	110kW	132kW	165kW
Max. charge current	100A	150A	300A	350A	450A
Max. discharge current	93A	156A	313A	374A	467A
General Information					
Protection degree	IP20				
Noise emission	<65dB(A)@1m				
Operating temperature	-25 °C~+55 °C				
Cooling	Forced-air				
Relative humidity	0-95% non-condensing				
Maximum altitude	6000m (derate over 3000m)				
Dimension (W/H/D)	700/1660/600mm	950/1860/750mm	1200/1900/800mm	1200/1900/800mm	1200/1900/800mm
Weight	355kg	610kg	948kg	1025kg	1230kg
Build-in transformer	Yes				
Transfer between on/off grid	Automatic≤10ms				
Standby consumption	<30W				
Communication					
Display	Touch screen				
Communication	RS485/CAN				
Certificate					

CE , MEA , PEA , UKCA, AS 4777.2, EN 61000-6-4:2007+A1:2011 , EN61000-6-2:2005 , EN62109-1:2010 , EN62109-2:2011 , EN 50549-1:2019 , IEC62109.1 , IEC62109.2, NRS 097-2-1:2017, G99, VDE-AR-N 4105:2018,DIN VDE V 0124-100:2020-06, PSE:2018-12

The MPPT voltage of PV strings should be 50~200V higher than the Max battery voltage.