



Main features:

1. Smart UPS, LCD Display, plug&play, seamless switching under 10ms
2. Flexible, up to 6 units parallel, single phase and unbalanced three phase paralleling
3. NO limits on cable length connecting to battery or AC
4. Self consumption mode for high tariff areas, charge priority mode for areas where grid power is unstable, peak-load shifting mode for areas where tariff varies by time
5. Easy to use with battery



Single phase low voltage hybrid inverter



Model	HI-3K-SL	HI-5K-SL	HI-6K-SL
Rated power	3000W	5000W	6000W
DC Input			
Max.PV array power	4500W	6000W	9000W
Max input voltage	550V		
MPP Voltage range/Rated input Voltage	90-550V/80-550V		
Start up Voltage/Min.Input Voltage	100V/80V		
MPPT max current	15A		
Max operating input current	26A/13A	26A/26A	26A/26A
Max.short circuit current	40A/20A	40A/40A	40A/40A
No.of independent MPPT Inputs	2/1+1		
AC input/Output(on-grid)			
Norminal output apparent power	3000W	5000W	6000W
Max.apparent AC Power	3300VA	5500VA	6600VA
AC Norminal output Voltage	230V/180V-280V		
AC Grid frequency/range	50Hz,60Hz		
Rated output current	13A	22A	26A
Max.output current	14A	24A	29A
Adjustable power factor range	0.8 leading to 0.8 lagging		
Grid system pattern	L+N+PE		
Harmonic distortion (THD) at rated output	<3%		
Max apparent power from utility grid	6000VA	10000VA	12000VA
Max AC current from utility grid	28A	48A	58A
Back-up output(UPS)			
Peak output aparent power	4000VA,10s	6000V,10s	7000VA,10s
Nominal output apparent power	3000VA	5000VA	6000VA
Nominal output frequency	50Hz/60Hz		
Output THDV	3%		
Automatic switch time	<10ms		
Battery			
Battery type	Li-ion/Lead-acid		
Nominal battery voltage	48V		
Battery voltage range	40-60V		
Max.charging voltage	58V(configurable)		
Max charging/discharging current	70A	100A	100A
Battery capacity(AH)	50-200		
Charging strategy for LI-ion battery	Self-adaption to BMS		
Charging strategy for Lead-acid battery	Three-stage		
Efficiency &Protection			
Max efficiency	98%	98%	98%
Europe efficiency	97.5%	97.5%	97.5%
Anti islanding protection	YES		
Insulation impedance protection	YES		
RCD detection	YES		
PV reverse polarity protection	YES		
Output over voltage protection	YES		
Output over current protection	YES		
General Data			
Self-consumption(at night)	<3W		
Heat dissipation mode	Natural		
Topology	Transformerless		
Climatic Category (according to IEC60721-3-4)	4K4H		
Degree protection	IP65		
Operation temperature	-25°C to 60°C		
Humidity	100%(non-condensing)		
Dimension	375*365*240mm		
Altitude	<4000meter		
LCD display	YES		
Communication interface	WIFI/4G/RS485/CAN/USB		