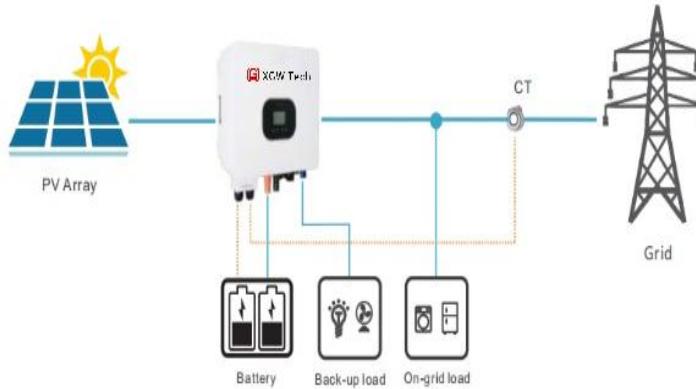




Main features:

1. Smart UPS,LCD Display,
plug&play,seamless switching under 10ms
2. Flexible,up to 6 unites 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 tarif 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)			
Nominal output apparent power	3000W	5000W	6000W
Max.apparent AC Power	3300VA	5500VA	6600VA
AC Nominal 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 apparent 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		Transormerless	
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	