



Features

- ▶ Three phase output
- ▶ Over 98.2% Max. efficiency
- ▶ 200V-800V input voltage range
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Compact and light design for one-person easy installation
- ▶ IP65, visually pleasing for domestic environment
- ▶ RS 485, WiFi/GPRS (optional) interface
- ▶ Numerous protection functions
- ▶ WiFi and monitoring app available
- ▶ 5 years standard warranty, 10 years optional upgrade
- ▶ **DC Connection:** Original MC4 Connector
- ▶ **AC Connection:** IP67 rated plug
- ▶ **Display:** LCD, 2x20 Z
- ▶ **Interface:** RS 485, WiFi/GPRS (optional)
- ▶ **Warranty:** 5-10 years

Three Phase Grid-Tie Inverter 10K, 10K-LV, 15K & 20K



Models	HSI-10K	HSI-10K-LV	HSI-15K	HSI-20K-HV
Input Side (DC)				
Max. input power	11.5kW	11kW	16.5kW	20kW
Max. input voltage	1000V	600V	1000V	1000V
Start-up input voltage	330V	170V	330V	330V
MPPT voltage range	200-800V	150-500V	200-800V	200-800V
Max. input current		18A+18A		
MPPT number/Max. input strings number	2/4	2/2	2/4	2/4
Output Side (AC)				
Rated output power	10kW	9.5kW	15kW	20kW
Max. transient power	11kW	10kW	15kW	20kW
Rated grid voltage	380/400V	208/220/240V	380/400V	480V
Grid voltage range	313~470V	180~270	313~470V	384*576V
Rated grid frequency	50/60Hz			
Operation phase	Three			
Max. output current	16.7A	25A	25A	25A
Power factor	0.8leading & 0.8 lagging			
Total harmonic distortion (THDi)	<3%			
DC injection current	<20mA	<50mA	<20mA	<50mA
Grid frequency range	47-52Hz or 57-62Hz (adjustable)			
Efficiency				
Max. efficiency	98.2%	97.2%	98.3%	98.3%
EU efficiency	97.3%	96.2%	97.5%	97.5%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%
Protection				
DC reverse-polarity protection	Yes			
Short circuit protection	Yes			
Output over current protection	Yes			
Output over voltage protection	Yes			
Insulation resistance monitoring	Yes			
Residual current detection	Yes			
Surge protection	Yes			
Grid monitoring	Yes			
Islanding protection	Yes			
Temperature protection	Yes			
Integrated DC switch	Optional			
General Data				
Dimensions	430W*613H*269D(mm)			
Weight	29kg	30kg	30kg	30kg
Topology	Transformerless			
Self consumption	<1W(Night)			
Operating ambient temperature range	-25°C ~ 60°C			
Ingress protection	IP65			
Noise emission (typical)	<30 dBA			
Cooling concept	Natural convection			
Max. operation altitude	4000m			
Designerd lifetime	>20 years			
Grid connection standard	EN50438, G59/3, AS4777, VDE0126-1-1, IEC61727			
Relative humidity	0 ~ 100%			
Safety/EMX standard	EN61000-6-1:2007; EN61000-6-3:2007; IEC62109-1/2-; AS3100			