



Models	HSI-208K	HSI-210K	HSI-212K
Inverter Mode Specification			
Rated Output Power (W)	8000W	10000W	12000W
Output Voltage Waveform	Pure Sine Wave		
Power Factor	1.0		
Nominal Output Voltage (V)	230Vac		
Output Frequency (Hz)	50Hz / 60Hz ± 0.3Hz		
Nominal Efficiency	>80%		
Over-Load Protection (SMPS load)	110%< load<125%, no audible alarm in 14 minutes, beeps 0.5s every 1s in 15th minutes and Fault after 15 minutes; 125%<load<150%, beeps 0.5s every 1s and Fault after 60s; Load>150%, beeps 0.5s every 1s, and Fault after 20s.		
Surge rating	24000VA	30000VA	36000VA
Output Short Circuit Protection	Current limit (Fault after 10s)		
Nominal DC input Voltage	48.0Vdc		
Min DC start voltage	40.0Vdc		
Low Battery Alarm	44.0Vdc ± 1.2Vdc		
Low DC input Shut-down	40.0Vdc ± 1.2Vdc		
High DC input Alarm & Fault	64.0Vdc ± 1.2Vdc		
High DC input Recovery	32.0Vdc ± 1.2Vdc		
Power saver	≤ 75W		
Dimesion (D*W*H)mm	549*450*201.2		
Net Weight	55.8kg		

Inverter / Charger Grid-Tie 8K, 10K & 12K



Models	HSI-208K	HSI-210K	HSI-212K
Line Mode Specification			
Input Voltage Waveform	Sinusodal (utility or generator)		
Nominal Input Voltage	230Vac		
Low Line Disconnect	154Vac ±4%		
Low Line Re-connect	164Vac ±4%		
High Line Disconnect	273Vac ±4%		
High Line Re-connect	263Vac ±4%		
Max AC input Voltage	280Vrms		
Nominal Input Frequency	50Hz / 60Hz (Auto detection)		
Low Line Frequency Re-connect	44±0.3Hz for 50Hz;		
Low Line Frequency Disconnect	40±0.3Hz for 50Hz;		
High Line Frequency Re-connect	75±0.3Hz for 50Hz;		
High Line Frequency Disconnect	80±0.3Hz for 50Hz;		
Output Voltage Waveform	As same as Input Waveform		
Over-Load Protection (SMPS load)	Circuit breaker		
Efficiency (Line Mode)	>95%		
Transfer Time (AC to DC)	10ms (typical)		
Transfer Time (DC to AC)	10ms (typical)		
Max Bypass Overload Current	50A	50A	63A
Charge Mode Specification			
Nominal Input Voltage	230Vac		
Input Voltage Range	164V-263Vac		
Nominal Output Voltage	According to the battery type		
Charge Current Regulation	Charge current adjustable		
Charge rating	0.62.8Vdc		
Charge Short Circuit Protection	Circuit breaker		
Over Charge Protection	Bat. V ≥ 62.8Vdc, beeps 0.5s every 1s & fault after 60s		
MAX Charge Current	70A	85A	100A

