

Wall Mouted Integrated Off-grid Solar Power Inverter 1K-10K



Model	HSI-201K	HSI-201.5K	HSI-202K	HSI-203K	HSI-204K	HSI-205K	HSI-206K	HSI-208K	HSI-210K
Output wave form	Pure sine wave							Pure sine wave	
Output continuous power(W)	1000	1500	2000	3000	4000	5000	6000	8000	10000
Output continuous power(VA)	1000	1500	2000	3000	4000	5000	6000	8000	10000
Power factor	0.9- 1.0							0.9- 1.0	
Nominal Output Voltage rms	120VAC (option) 230VAC							230VAC	
Output Voltage regulation	+/- 10%ms							+/- 10%ms	
Output frequency	50Hz ± 0.3Hz or 60Hz ± 0.3Hz							50Hz ± 0.3Hz or 60Hz ± 0.3Hz	
Safety Certification	>88%							>88%	
Short circuit protection	Yes, fault after 1 secs							Yes, fault after 1 secs	
Inverter specification/output									
Input Wave form	Sine wave(utility/generator)							Sine wave(utility/generator)	
Nominal Voltage	120VAC(optional) 230VAC							220/230/240VAC	
Low voltage re-trip	90v ±4% & 184v/154v ±4%							154v	
Low voltage re-engage	100v ±4% & 194v/164v ±4%							164v	
High voltage re-trip	140v ±4% & 253v ±4%							273v	
High voltage re-engage	135v ±4% & 253v ±4%							263v	
Nominal Input Frequency	50Hz/60Hz (audio detection)							50Hz/60Hz (auto detection)	
Low frequency trip	47Hz for 50Hz, 57Hz for 60Hz							40Hz	
High frequency trip	55Hz for 50Hz, 65Hz for 60Hz							80Hz	
Output wave form	(bypass mode) same as input							(Bypass mode) same as input	
Over-Load Protection	Circuit breaker							Yes	
Short circuit Protection	Circuit breaker							Yes	
Efficiency on line transfer mode	95%+							95%+	
Line transfer time	10ms Typical							10ms Typical	
Bypass w/o battery connected	Yes							Yes	
Inverter specification/input									
Nominal input voltage	12V/24V/48V							12V/24V/48V	
Minimum start voltage	10V/20V/40V							10V/20V/40V	
Low battery alarm	10.5V/21V/42V							10.5V/21V/42V	
Low battery trip	10V/20V/40V							10V/20V/40V	
High voltage alarm	16V/32V/64V							16V/32V/64V	
Charger mode specification									
Output voltage	Dependent on battery type							Dependent on battery type	
Charge current	10-85A MAX							75A MAX 85A MAX	
Battery initial voltage for startup	0-15.7v for 12v(*2 for 24v,*4 for 48v)							0-15.7v for 12v(*2 for 24v,*4 for 48v)	
Over charge protection	15.7v for 12v(*2 for 24v,*4 for 48v)							15.7v for 12v(*2 for 24v,*4 for 48v)	
SOLAR CHARGER									
MPPT Range	15VDC ~ 40VDC/150VDC(optional)							60VDC ~ 110VDC	
Operating Voltage	25VDC ~ 58VDC/25VDC~150VDC(optional)							60VDC ~ 150VDC (optional)	
Maximum PV Array Open	58VDC/150VDC(optional)							110VDC / 150VDC (optional)	
	110VDC/150VDC(optional)								
	40A/60A							40A/60A	
	>96%							>96%	
	2 W							2 W	