



## Three-phase Output Off-grid Inverter

- DSP controllers
- The fifth generation Mitsubishi IPM modules
- Output transformer isolation, high reliability
- Multilingual LCD display
- Standard RS485/232 communication interfaces
- Perfect Protection
- Failure logging
- Low-voltage protection





Voltage: 110

Technical Specification		HS-T110 5K	HS-T110 7.5K	HS-T110 10K	HS-T110 15K	HS-T110 20K	HS-T110 30K	HS-T110 50K	HS-T110 75K
DC Input	Rated DC input voltage (VDC)	110							
	Rated input current (A)	50	75	100	150	200	300	500	750
	DC input voltage range (VDC)	99 ~ 150							
AC Output	Rated capacity (KVA)	5.0	7.5	10.0	15.0	20.0	30.0	50.0	75.0
	Rated output power (kW)	4.0	6.0	8.0	12.0	16.0	24.00	40.0	60.0
	Rated output voltage & frequency	380/220VAC,50Hz(three-phase 4-wire)							
	Rated output current (A)	7.6	11.4	15.2	22.8	30.4	45.6	76.0	114.0
	Output voltage accuracy (V)	380±3%							
	Output frequency accuracy (HZ)	50±0.05							
	Total harmonic distortion (THD) (Linear Load)	≤5%							
	Dynamic response (Load 0←→100%)	5%							
	Power factor (PF)	0.8							
	Overload capability	150%, 10 seconds							
	Crest factor (CF)	3:1							
	Inversion efficiency - 80% resistance load	91%							
Environment	Isolation resistance (Input & Output)	1,500VAC, 1 minute							
	Noise Level at 1 meter	≤45dB							
	Operating temperature	-20°C~+50°C							
	Relative humidity	0~90%, non-condensing							
	Operating elevation (m)	≤6,000							
	Vertical depth, width, height (mm)	470×608×800		600×550×1200	600×800×2260			800×1000×2260	
Weight (Kg)		60	80	120	280	320	520	800	1000
Protection		Input reverse polarity, under/over input voltage, output overload, output short circuit, overheat							



Voltage: 220

Technical Specification		HS-T22 07.5K	HS-T22 010K	HS-T22 015K	HS-T22 020K	HS-T22 030K	HS-T22 045K	HS-T22 060K	HS-T22 075K	HS-T22 0100K
DC Input	Rated DC input voltage (VDC)	220								
	Rated input current (A)	37.0	49.4	74.0	99.0	148.0	222.0	196.0	371.0	494.0
	DC input voltage range (VDC)	180 ~ 300								
AC Out put	Rated capacity (KVA)	7.5	10.0	15.0	20.0	30.0	45.0	60.0	75.0	100.0
	Rated output power (kW)	6.0	8.0	12.0	16.0	24.0	36.0	48.0	60.0	80.0
	Rated output voltage & frequency	380/220VAC, 50Hz (three-phase 4-wire)								
	Rated output current (A)	11.4	15.2	22.8	30.1	45.6	68.4	91.2	114.0	152.0
	Output voltage accuracy (V)	380±3%								
	Output frequency accuracy (HZ)	50±0.05								
	Total harmonic distortion (THD) (Linear Load)	≤5%								
	Dynamic response (Load 0↔100%)	5%								
	Power factor (PF)	0.8								
	Overload capability	150%, 10 seconds								
	Crest factor (CF)	3:1								
	Inversion efficiency - 80% resistance load	92%								
Three-phase unbalance load capability	≤20%									
Envi ron ment	Isolation resistance (Input & Output)	1,500VAC, 1 minute								
	Noise Level at 1 meter	≤50dB								
	Operating temperature	-20°C~+50°C								
	Relative humidity	0~90%, non-condensing								
	Operating elevation (m)	≤6,000								
	Vertical depth, width, height (cm)	58×43 ×64	60×55 ×120	60×80×120		60×80×226			80×100×226	
Weight (Kg)		75	110	270	310	510	620	950	1050	1500
Protection		Input reverse polarity, under/over input voltage, output overload, output short circuit, overheat								



Voltage: 220 / 500

Technical Specification		HS-T22 0120K	HS-T22 0150K	HS-T50 030K	HS-T50 045K	HS-T50 060K	HS-T50 0100K	HS-T50 0150K	HS-T50 0200K	HS-T50 0300K
DC Input	Rated DC input voltage (VDC)	220			500					
	Rated input current (A)	593	741	65	98	130	217	326	435	652
	DC input voltage range (VDC)	180 ~ 300			450 ~ 700					
AC Out put	Rated capacity (KVA)	120	150	30	45	60	100	150	200	300
	Rated output power (kW)	96	120	24	36	48	80	120	160	240
	Rated output voltage & frequency	380VAC, 50Hz (three-phase 4-wire)								
	Rated output current (A)	182.0	228.0	45.6	68.4	91.0	152.0	228.0	304.0	456.0
	Output voltage accuracy (V)	380±3%								
	Output frequency accuracy (HZ)	50±0.05								
	Total harmonic distortion (THD) (Linear Load)	≤5%								
	Dynamic response (Load 0↔100%)	5%								
	Power factor (PF)	0.8								
	Overload capability	150%, 10 seconds								
	Crest factor (CF)	3:1								
	Inversion efficiency - 80% resistance load	92%								
	Three-phase unbalance load capability	100%			≤20%			100%		
Envi ron ment	Isolation resistance (Input & Output)	1,500VAC, 1 minute								
	Noise Level at 1 meter	≤50dB						≤65dB		
	Operating temperature	-20°C~+50°C								
	Relative humidity	0~90%, non-condensing								
	Operating elevation (m)	≤6,000								
	Vertical depth, width, height (cm)	80×100×226 (2 displays)			60×100×226		80×100×226	60×80×226 (2 display)	60×80×226 (3 display)	60×100×226 (2 display)
Weight (Kg)		1650	1800	480	520	800	1250	1250	2050	2800
Protection		Input reverse polarity, under/over input voltage, output overload, output short circuit, overheat								