

	HT1106S	HT1106L	HT1110S	HT1110L	HT1115L	HT1120L
INPUT						
Cold Start	YES, default frequency=50Hz or settable		YES, default frequency=50Hz or settable		P.L.S, default frequency =50Hz or settable	
Acceptable Input Voltage	50%-125%(220VAC/230VAC/240VAC)		50%-125%(220VAC/230VAC/240VAC)		50%-125%(220VAC/230VAC/240VAC)	
	100% load@80%-125%		100% load@80%-125%		100% load@80%-125%	
	90% load@70%-80%		90% load@70%-80%		90% load@70%-80%	
	80% load@60%-70%		80% load@60%-70%		80% load@60%-70%	
	65% load@50%-60%		65% load@50%-60%		65% load@50%-60%	
Phase	Single phase in, single phase out		Single phase in, single phase out		Three phase in, single phase out	
Transfer Voltage Range						
-Line low transfer	110VAC/115VAC/120VAC		110VAC/115VAC/120VAC		110VAC/115VAC/120VAC	
-Line low recovery	116VAC/122VAC/127VAC		116VAC/122VAC/127VAC		116VAC/122VAC/127VAC	
-Line high transfer	275VAC/288VAC/300VAC		275VAC/288VAC/300VAC		275VAC/288VAC/300VAC	
-Line high recovery	268VAC/279VAC/291VAC		268VAC/279VAC/291VAC		268VAC/279VAC/291VAC	
Input Power Factor	≥0.99		≥0.99		≥0.98	
Input Frequency Range	40Hz - 70Hz		40Hz - 70Hz		40Hz - 70Hz	
Generator	Support Any Generator.		Support Any Generator.		Support Any Generator	
OUTPUT						
Frequency adaptable	Settable		Settable		Settable	
Power						
-Power(kVA) max	6		10		15	
-Power(kW) max	5.4		9		13.5	
Output Voltage						
-Waveform	Pure sine wave		Pure sine wave		Pure sine wave	
-Nominal voltage	220/230/240VAC		220/230/240VAC		220/230/240VAC	
-Voltage regulation	± 1%		± 1%		± 1%	
-Transient response	≤ 5% (50% - 100% -50%)		≤ 5% (50% - 100% -50%)		≤ 5% (50% - 100% -50%)	
-Transient recovery	≤ 15ms (0% - 100% -0%)		≤ 15ms (0% - 100% -0%)		≤ 15ms (0% - 100% -0%)	
-Voltage distortion	≤ 1% THD, linear load ≤ 5% THD, non-linear load		≤ 1% THD, linear load ≤ 5% THD, non-linear load		≤ 1% THD, linear load ≤ 5% THD, non-linear load	
Output Frequency						
-Synchronization range	settable, ±3Hz default		settable, ±3Hz default		settable, ±3Hz default	
-Slew rate	0.5-5Hz/s, 2Hz/s default		0.5-5Hz/s, 2Hz/s default		0.5-5Hz/s, 2Hz/s default	
-Battery mode	(50±0.05) Hz		(50±0.05) Hz		(50±0.05) Hz	
Transfer Time						
-Line mode to battery mode	0		0		0	
-Inverter to bypass	4ms		0		0	
Efficiency						
-Line mode with battery full charged	93.0%		93.0%		93.5%	
-ECO mode	98.0%		98.0%		98.0%	
-Battery mode	92.0%		92.0%		92.0%	
Noise	<48dB@<70%load, <58dB@>70%load; 1m away		<48dB@<70%load, <60dB@>70%load; 1m away		53dB@<70%load, <66dB@>70%load; 1m away	
Overload Capability (Line Mode)	110%: Transfer to bypass after 10 mins. 130%: Transfer to bypass after 1 min 150%: Transfer to bypass after 30s, shutdown after 1 min.(Line mode)		110%: Transfer to bypass after 10 mins 130%: Transfer to bypass after 1 min 150%: Transfer to bypass after 30s, shutdown after 1 min.(Line mode)		110%: Transfer to bypass after 10 mins 130%: Transfer to bypass after 1 min 150%: Transfer to bypass after 30s, shutdown after 1 min.(Line mode)	
Overload Capability (Battery Mode)	110%: Shutdown after 10mins (Battery mode) 125%: Shutdown after 10s (Battery mode) >125%: Shutdown after 1s (Battery mode)		110%: Shutdown after 10mins (Battery mode) 125%: Shutdown after 10s (Battery mode) >125%: Shutdown after 1s (Battery mode)		110%: Shutdown after 10mins (Battery mode) 125%: Shutdown after 10s (Battery mode) >125%: Shutdown after 1s (Battery mode)	
Crest Ratio	3:1		3:1		3:1	
BATTERY						
Rating/Type	12VDC/7Ah	Depend on the capacity of external batteries	12VDC/9Ah	Depend on the capacity of external batteries	Depend on the capacity of external batteries	Depend on the capacity of external batteries
Quantity	16		16		16	
DC Voltage	192VDC	192/240VDC	192VDC	192/240VDC	192/240VDC	192/240VDC
Back-up Time	4mins @80% load	Depend on the capacity of external batteries	3.5mins @80% load	Depend on the capacity of external batteries	Depend on the capacity of external batteries	Depend on the capacity of external batteries
Battery-Low Voltage	(176±3)VDC		(176±3)VDC		(176±3)VDC	
Charger						
-Charging voltage	(220±1%)VDC		(220±1%)VDC		(220±1%)VDC	
-Charging current (max)	1A	5A	1A	5A	5A	5A
-Charging time	7h recharge to 90%	Depend on the capacity of external batteries	8h recharge to 90%	Depend on the capacity of external batteries	Depend on the capacity of external batteries	Depend on the capacity of external batteries
Leakage current	<1mA		<1mA		<1mA	
INDICATOR & ALARM						
Display	LED+LCD		LED+LCD		LED+LCD	
Alarm			Sounding once per second			
Fault	Continuous beeping		Continuous beeping		Continuous beeping	
INTERFACE						
Smart RS232	Standard Cable support INVT Power Monitor Software					
B type USB(optional)	Standard Cable support INVT Power Monitor Software					
EPO	Remoted EPO function for customer. Short to activate					
Dry Contactor(optional)	DB9 type and phoenix terminal type for selection. (6 output ports, 1 input port) UPS fault alarm, general alarm, bypass mode, UPS normal mode, battery low voltage alarm, utility failure alarm, remoted shutdown.					
SNMP(optional)	Power Management from SNMP Manager and Web Browser					
Option	SNMP, USB, Dry Contactor(AS400), Parallel Kit, ECO Kit, External Battery Cable(standard model), Maintenance Bypass, Maintenance Bypass Detecting Kit					
Reserved function	Can be designed as different function according to customer's application					
MECHANICAL						
W×D×H (mm)	250*562*650	250*504*480	250*562*650	250*504*480	250*562*770	250*562*770
Net Weight (KG)	57	18	65	20	33	33
Color	Black		Black		Black	
Notes1:						
	Long Backup Type	Standard Type/HT3110S	HT3120L			
Package Weight	20.5KG	81KG	39.5KG			
Notes2:						
HT3110/HT3115/HT3120 can be set as single phase in, single phase out.						
Notes3:						
*Products specifications are subject to change without further notice.						
Notes4:						
This version is updated with new version cabinet						

	Long Backup Type	Standard Type/HT3110S	HT3120L
Package Weight	20.5KG	81KG	39.5KG

Notes2:
HT3110/HT3115/HT3120 can be set as single phase in, single phase out.

Notes3:
*Products specifications are subject to change without further notice.

Notes4:
This version is updated with new version cabinet