

System Capacity	HT1101CL	HT1101CS	HT1102CL	HT1102CS	HT1103CL	HT1103CS
Phase	1kVA		2kVA		3kVA	
Battery Cold Start	Single Phase in, Single Phase out					
Input Voltage Range	Standard					
Transfer Voltage Range	110VAC~300VAC					
-Line low transfer	176VAC~276VAC for 100% load; 276VAC~300VAC for 50% load; 110VAC~176VAC load decrease linearly from 100%~50%					
-Line low recovery	220/230/240VAC					
-Line high transfer	110VAC					
-Line high recovery	120VAC					
Input Current	300VAC					
Rated Current	4.9A		9.7A		14.5A	
Input Power Factor	≥0.99					
THDI	<3% (100% Linear load); <5% (non-linear load)					
Input frequency Range	50/60±5Hz(Default),±1Hz/±3Hz(Optional)					
Output						
Frequency adaptable	Settable					
Power						
Apparent Power(KVA)	1		2		3	
Active Power(KW)	1(0.9 for 200VAC/208VAC)		2(1.8 for 200VAC/208VAC)		3(2.7 for 200VAC/208VAC)	
Output Voltage	Pure Sine Wave					
-Waveform(Bat. Mode)	220/230/240VAC, 200/208VAC (PF=0.9)					
Rated Voltage	±1%					
-Voltage regulation	≤5% (0% - 100% -0%)					
-Dynamic response	≤40ms (0% - 100% -0%)					
-Dynamic recovery	≤1% THD,linear load					
-Voltage distortion	≤5% THD, non-linear load					
Output Frequency						
Synchronization range	Mains mode: follow the mains frequency,Battery mode: 50/60Hz±0.1%					
Transfer Time						
-Line mode to battery mode	0					
-Inverter to bypass	2ms					
Efficiency						
-Line mode with battery run	94.5%@100% load		95%@100% load		95.5%@100% load	
-ECO mode	98.0%					
-Battery mode	89.5%@100% load		91.5%@100% load		91.5%@100% load	
Noise(1m away)	<43dB@<60%load,<47dB@>60%load		<50dB@<60%load,<55dB@>60%load			
Overload Capability(Inverter)	102%~110%: Transfer to bypass after 30mins					
	110%~125%: Transfer to bypass after 10mins					
	125%~150%: Transfer to bypass after 30s					
Overload Capability(Battery Mode)	102%~110%:Transfer to bypass after 1min					
	110%~125%: Transfer to bypass after 10s					
	125%~150%:shutdown after 5s					
Overload Capability (Bypass Mode)	<130%: Long time					
	130%~150%: shutdown after 10mins					
	150%~180%: shutdown after 5s					
Crest Factor	3:1					
BATTERY						
Rating/Type	Depend on the capacity of external batteries	12VDC/7Ah	Depend on the capacity of external	12VDC/7Ah	Depend on the capacity of external batteries	12VDC/7Ah
Quantity		3		6		8
DC Voltage	36VDC		72VDC		96VDC	
Back-up Time	Depend on the capacity of external batteries	3mins @80% load	Depend on the capacity of external batteries	3mins @80% load	Depend on the capacity of external batteries	3mins @80% load
Battery Charger						
-Charging Voltage	1-12A(Settable)		1A		1-12A(Settable)	
-Charging Current	1A		1-12A(Settable)		1A	
-Charging Time	Depend on the capacity of external batteries	8h recharge to 90%	Depend on the capacity of external batteries	8h recharge to 90%	Depend on the capacity of external batteries	8h recharge to 90%
INDICATOR & ALARM						
-Display	LED+LCD					
-Discharge	Sound once every 2 minutes					
-Low Battery Voltage	Sound once every 6s					
-Battery Overload	Continuous beeping					
-Input Voltage Abnormality						
(Include Sequential Negative, Ground wire not connected)	Sound once every 2 minutes					
-Alarm	Sound once every 6s					
-Fault	Continuous beeping					
INTERFACE						
-RS232	Support background software through standard cables					
-Input	IEC C14		IEC C20			
-Output	2 National standard sockets		4 National standard sockets		3National standard sockets+1 20A connecting terminal	
OPTION						
-SNMP Card	Monitor the machine through the network					
-AS400 Dry Contact	Pluggable DB9 dry connector card or phoenix terminal					
-USB	B-type USB port					
-RS485	RS485 communication interface					
-EPO	Emergency power off					
External Battery Temperature	External battery temperature detection					
-RJ45 Surge Protection	Port Surge Protection					
-BMS	Dry contact for Lithium Battery BMS					
MECHANICAL						
-W*D*H(mm)	144*350*224	144*350*224	144*410*223	190*405*330	144*410*223	190*405*330
-W*D*H(mm)(Package size)	238*446*311	238*446*311	244*506*308	280*520*410	244*506*308	280*520*410
-Net weight (KG)	4.3	10.3	5.8	21.1	6.2	25.5
-Gross weight (KG)	5.6	11.6	7.1	23	7.5	27.5
Color	Black					