

	HT1101CL	HT1101CS	HT1102CL	HT1102CS	HT1103CL	HT1103CS
System Capacity	1kVA		2kVA		3kVA	
Phase			Single Phase in, Single Phase out			
Battery Cold Start			Standard			
Input Voltage Range	110VAC~300VAC		176VAC~276VAC for 100% load; 276VAC~300VAC for 50% load; 110VAC~176VAC load decrease linearly from 100%~50%			
Transfer Voltage Range	220/230/240VAC					
-Line low transfer	110VAC					
-Line low recovery	120VAC					
-Line high transfer	300VAC					
-Line high recovery	290VAC					
Input Current						
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						
-Waveform(Bat. Mode)	Pure Sine Wave					
Rated Voltage	220/230/240VAC, 200/208VAC (PF=0.9)					
-Voltage regulation	± 1%					
- Dynamic response	≤5% (0% - 100% -0%)					
- Dynamic recovery	≤40ms (0% - 100% -0%)					
- Voltage distortion	≤1% THD, linear load					
-	≤ 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 batteries	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						
-Charging Current	1-12A(Settable)	1A	1-12A(Settable)	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)			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			