

	HR1101S	HR1101L	HR1102S	HR1102L	HR1103S	HR1103L
INPUT						
Cold Start	YES, default frequency=50Hz or settable					
Acceptable Input Voltage	110VAC-288VAC					
	100% load@>176VAC					
	80% load@>154VAC					
	70% load@>132VAC					
	50% load@>110VAC					
Phase	Single phase in,single phase out					
Transfer Voltage Range	(200VAC/208VAC/220VAC/230VAC/240VAC)					
-Line low transfer	110VAC					
-Line low recovery	121VAC					
-Line high transfer	288VAC					
-Line high recovery	281VAC					
Input Current						
-Iac(nominal input power)	4.8A		9.6A		14.4A	
Input Power Factor	≥0.97					
Input Connection	IEC C14		IEC C20		IEC C20	
Input Frequency Range	40~70Hz					
OUTPUT						
Frequency adaptable	Settable					
Power						
-Power(kVA) max	1		2		3	
-Power(kW) max	0.9(0.8 for 200VAC/208VAC)		1.8(1.6 for 200VAC/208VAC)		2.7(2.4 for 200VAC/208VAC)	
Output Voltage						
-Waveform(Bat. Mode)	Pure Sine Wave					
-Nominal voltage	200/208/220/230/240VAC					
-Voltage regulation	± 1 %					
-Transient response	≤5% (0% - 100% -0%)					
-Transient recovery	≤30ms (0% - 100% -0%)					
-Voltage distortion	≤2% THD, linear load					
	≤ 5.5% THD, non-linear load		≤ 5% THD, non-linear load		≤ 5% THD, non-linear load	
Output Frequency						
-Synchronization range	±5Hz default					
-Battery mode	(50±0.1) Hz default					
Transfer Time						
-Line mode to battery mode	0					
-Inverter to bypass	2ms					
Efficiency						
-Line mode with battery full charged	89%@100% load, 87%@50% load		91%@100% load, 88%@50% load		90%@100% load, 90%@50% load	
-ECO mode	94.0%		97.0%		97.0%	
-Battery mode	83%@100% load, 84%@50% load		87%@100% load, 88%@50% load		87%@100% load, 89%@50% load	
Noise(1m away)	<45dB@<60%load,<50dB@>60%load		<50dB@<60%load,<55dB@>60%load		<50dB@<60%load,<55dB@>60%load	
Overload Capability(Inverter)	105%~130%: Transfer to bypass after 1 mins.					
	150%: Transfer to bypass after 30s					
Overload Capability(Battery Mode)	105%~130%:shutdown after 10s					
	150%:shutdown after 5s					
Overload Capability (Bypass Mode)	<130%: Long time					
	>130%&<150%:Shutdown after 10min					
	>150%&<180%:Shutdown after 5 seconds					
Output Connection	(6) IEC C13		(6) IEC C13		(6)IEC C13+(1)IEC C19	
Crest Ratio	3:1					
BATTERY						
Rating/Type	12VDC/7Ah	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
Quantity	3		6		8	
DC Voltage	36VDC		72VDC		96VDC	
Back-up Time	6mins @80% load	Depend on the capacity of external batteries	6mins @80% load	Depend on the capacity of external batteries	5.5mins @80% load	Depend on the capacity of external batteries
Battery-Low Voltage	33VAC~35VDC depending on load		66VDC~70VDC depending on load		88VDC~94VDC depending on load	
Battery Maintenance	Front Maintenance Online					
Charger						
-Charging voltage	float:40.5VDC/boost:41.4VDC		float:81VDC/boost:82.8VDC		float:108VDC/boost:110.4VDC	
-Charging current (max)	1A	8A or 4A	1A	8A or 4A	1A	8A or 4A
-Charging time	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%	Depend on the capacity of external batteries
Leakage current	<1mA		<1mA		<1mA	
INDICATOR & ALARM						
-Display	LED+LCD					
-Battery discharge	Sounding every 2 minutes					
-Low battery	Sounding every 6 seconds					
-Overload	Continuous beeping					
-Fault	Continuous beeping					
-Input voltage abnormal	Sounding every 2 minutes					
-Warn	Sounding every 6 seconds					
INTERFACE						
-Smart RS232	Standard Cable support INVT Power Monitor Software					
-SNMP(option)	Power Management from SNMP Manager and Web Browser					
OPTION						
-Intelligent Kits	DB9 port, dry contact					
-USB	B-type USB port					
-SNMP Kits	pluggable type					
MECHANICAL						
-W×D×H (mm)	438*426*86(2U)	438*426*86(2U)	438*476*173(4U)	440*476*86(2U)	438*476*173(4U)	438*476*86(2U)
(max)	438*437*86	438*437*86	438*488*173	440*488*86	438*488*173	438*488*86
-W×D×H (mm)(shipment)	580*565*250	580*565*250	580*660*335	580*615*250	580*660*335	580*615*250
-Net Weight (KG)	13.5	8	28	9.5	33	10.5
-Package Weight(KG)	16	11	31	12.5	36	13.5
-Rack / Tower	Rack and Tower					
Color	Black default					

*Products specifications are subject to change without further notice.