



# True Online Double Conversion UPS

## HR 11 Series

### High Frequency Online UPS

1-3 KVA 1Phase:1Phase



◆ 1KVA/900W



◆ 2KVA/1800W ◆ 3KVA/2700W



- ① AC Input
- ② Circuit Breaker
- ③ DC Input
- ④ Outlet
- ⑤ Modem/Tel/FAX
- ⑥ RS232
- ⑦ SNMP/USB/AS400



### Application

### ◆ Features

- True online double-conversion technology
- Wide input voltage range and stable power supply extends battery lifetime
- DSP based technology
- Advanced PFC technology, input PF>0.99
- Parallel expansion and N+X redundancy up to 4units
- Cold start
- Automatic battery charging on/off mode
- Lighting and surge protection
- LCD/LED display
- Smart RS232 port with monitoring software
- Smart slot for mission critical applications
- Power Factor 0.9



### ◆ Rear Panel



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มาตรฐาน.1291-2553(รุ่น1)  
 มาตรฐาน.1291-2553(รุ่น2)  
 มาตรฐาน.1291-2553(รุ่น3)

## HT11 series High Frequency Online UPS

**1-3 KVA 1Phase:1Phase**

### Specification:

Model	HR1101S	HR1101L	HR1102S	HR1102L	HR1103S	HR1103L
Capacity	1kVA/900W		2kVA/1800W		3kVA/2700W	
Input						
Voltage	220/230/240Vac					
Voltage Range	115~300Vac					
Frequency	40~70Hz					
Output						
Voltage	220/230/240Vac ±1%					
Frequency	50/60Hz ±0.05Hz					
Harmonic Distortion	≤3% (linear load); ≤5% (non-linear load)					
Waveform	Pure Sine Wave					
power factor	0.9					
Crest Factor	3:1					
Efficiency						
AC to AC	>86%					
Battery Mode	>83%					
Battery						
Battery Voltage	36Vdc		72Vdc		96Vdc	
Battery Number	12V 9.6AH*3pcs	External	12V 9.6AH*6pcs	External	12V 9.6AH*8pcs	External
Rated Charge Current	1A	5.5A	1A	5.5A	1A	5.5A
Communication						
Interface	RS232 / SNMP card(Optional) / USB(Optional)					
Environment						
Operation Temperature	0~40°C					
Humidity	0~95% (non-condensing)					
Audible Noise	≤45dB	≤50dB				
Physics						
Dimensions(W*D*H) mm	482*450*89(2U)					
Weight (KG)	18	12	15	15	15	15