INVERTRONS

# HR11 Series Rack Online UPS

1-10KVA (220V/230V/240V)



## Description:

HR11 series, ranging from 1KVA to 10KVA, is a series of double conversion online rack UPS with fully DSP controlled technology. The 6-10KVA UPS applies the advanced 3-level technology, achieving efficiency up to 95%. By having high power density (kW=kVA) in a compact design of 2U height, HR11 series is an ideal choice for computers, telecommunication equipment and other sensitive devices.

## Features:

1. **Wide range of input voltage while input PF>99%**
2. **19" standard cabinet and battery cabinet**
3. **FULL PROTECTION of overvoltage, short circuit and over temperature**
4. **High efficiency, up to 95% — for 6-10 KVA**
5. **kVA=kW, output PF=1 — for 6-10 KVA**

| SPECIFICATIONS | | | | | | |
|---|---|---|---|---|---|---|
| MODEL | | HR1101S<br>HR1101L | HR1102S<br>HR1102L | HR1103S<br>HR1103L | HR1106XS<br>HR1106XL | HR1110XS<br>HR1110XL |
| Capacity | | 1kVA | 2kVA | 3kVA | 6kVA | 10kVA |
| Phase | | Single Phase in, Single Phase out | | | | |
| **INPUT** | | | | | | |
| Voltage | | 110VAC-288VAC | | | | |
| | | 100% load@>176VAC; 80% load@>154VAC;<br>70% load@>132VAC; 50% load@>110VAC | | | 100% load@>176VAC; 90% load@>160VAC;<br>80% load@>140VAC; 60% load@>110VAC | |
| Frequency | | 40Hz-70Hz | | | | |
| Power Factor | | ≥0.97 | | | ≥0.99 | |
| **OUTPUT** | | | | | | |
| Frequency | | 50/60Hz | | | | |
| Voltage Regulation | | ± 1% | | | | |
| Power Factor | | 0.9 | | | 1.0 | |
| Crest Factor | | 3:1 | | | | |
| Overload Capacity | Inverter | 105%-130%: to bypass 1 min;<br>150%: to bypass after 30 sec | | | 110%:for 10 min ;125%:for 1min ;<br>150%:for 30 sec | |
| | Battery | 105%-130%: shutdown after 10 sec;<br>150%: shutdown after 5 sec | | | 110%: shut down after 1 min;<br>130%:shut down after 10 sec;<br>>130%: shut down after 200 ms | |
| **BATTERY** | | | | | | |
| Battery Voltage | | 36VDC | 72VDC | 96VDC | 192VDC | |
| Battery Type/Number | | 12V,7Ah*3 | 12V,7Ah*6 | 12V,7Ah*8 | 12V,7Ah*16 | 12V,9Ah*16 |
| | | External | | | | |
| **SYSTEM** | | | | | | |
| System Efficiency | | 87% | 91% | 90% | 95% | |
| Interface | Default | Standard:RS232, SNMP | | | | |
| | Optional | Optional: USB, SNMP, Dry Contact | | | Optional: USB, SNMP, Eco Kit, Dry Contacts, Battery Cabinet | |
| Operation Temperature | | 0-40°C | | | | |
| Relative Humidity | | 0-95% (non-condensing) | | | | |
| **PHYSICAL** | | | | | | |
| Weight | | 11.5kg | 25kg | 31kg | 59kg | 67kg |
| | | 7kg | 8kg | 9.5kg | 17.5kg | 20.5kg |
| Dimension (W*D*H) (mm) | | 440*430*86 | 440*480*173 | 440*480*173 | 438*660*172 | |
| | | 440*430*86 | 440*480*86 | 440*480*86 | 438*550*86 | |

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