



Power Range :3 To 10 KVA
Input power factor: ≥ 0.97
Output frequency:0/60 Hz Adaptive (adjustable)
OP. methods In - 1 Out, Online Double Conversion
Output power factor: 0.9
Input frequency:40-70 Hz
Communication interface: RS232, SNMP

Technical Data

Product Application	TCHR11 series Rack Mounted UPS is widely used in government, finance, communications, education, transportation, meteorology, radio and television, industrial and commercial taxation, health care, energy and electricity, and other sectors.
Range of Power	3 to 10 kVA
Operating Methods	1 in - 1 out, online double conversion
Product Features	<p>It boasts a smart battery, super network management, and an adaptive system between input and output frequency. Ultra-wide input frequency (40-70Hz) is adaptive to the output frequency of 50/60Hz, designed to achieve online double conversion of all generators. Digital control technology, and ultra-high input and output power using a high-performance DSP digital processor, ensure precision, efficiency, and reliability of the data processing. The built-in battery can be replaced at runtime; in 6-10kVA, online maintenance can be performed; and it has a self-aging function.</p> <ul style="list-style-type: none">• Small occupation area, sharing maintenance space with cabinets;• Small initial investment and flexible expansion;• Sleep mode for power module to improve load efficiency;• Hot-swap power module to ensure maintenance for a working system.

Technical Details

Model		HR1103S	HR1103L	HR1106XS	HR1106XL	HR1110XS	HR1110XL
Capacity		3kVA	3kVA	6kVA	6kVA	10kVA	10kVA
Input	Range of Voltage	110~288VAC (220/230/240VAC)					
	Frequency	40-70Hz					
	Power Factor	≥0.97		≥0.99			
Output	Range of Voltage	220VAC±1%					
	Frequency	50/60Hz adaptive (adjustable)					
	Waveform	Sine wave					
	Power factor	0.9		1			
	Overload Capacity (Invert Mode)	105% to 130% transfer to bypass after one minute; 150% transfer to bypass after 30 seconds		110% transfer to bypass after 10 minutes; 130% transfer to bypass after one minute; 150% transfer to bypass after 30 seconds, shutting down for one minute			
	Peak Ratio	3:01					
Efficiency		Main mode 90%; ECO mode 97%		Main mode 95%; ECO mode 98%			
Battery	Model	12VDC/7Ah	Depending on external batteries	12VDC/7Ah	Depending on external batteries	12VDC/9Ah	Depending on external batteries
	Quantity	8		16-20 cells (optional)		16-20 cells (optional)	
	Maximum Charging Current	1A	4A/8A	1A	5A	1A	5A
	Direct Current	96VDC		192-288VDC			
Communication Interface		RS232, SNMP					
Options		Swappable BD9 dry contact cards, B-type USB, SNMP cards, RS485 ports		Swappable dry contact cards, ECO mode, corporate cards, battery packs, as well as USB, SNMP and RS485 ports			
Maintenance Bypass		/		Standard			
Environment	Temperature	0-40°C					

	Humidity	0-95°C					
Size W*D*H (mm)		440*480*173 (4U)	440*480*86 (2U)	440*660*172	440*550*86	440*660*172	440*550*86
Weight (kg)		31	9.5	58	16	62	18