









### Application



### Features

-  Pure sine wave output, adaptable to different loads
-  Low no-load loss, less than half of the high-frequency machine with the same frequency
-  High tracking efficiency MPPT solar controller
-  According to user needs, multiple parameters can be adjusted
-  Output short-circuit protection function
-  Support lithium battery communication

### Hybrid solar inverter

MODEL	RTLF1212T-P2
Power input	220VAC (standard)
Input voltage range	154-264VAC ± 3V (normal mode) 185-264VAC ± 3V (UPS mode)
input frequency	50/60Hz±5%
Rated output power	1200W
Output voltage under mains power	The output voltage under mains power is the same as the input voltage
Output frequency under mains power	The output frequency under mains power is the same as the input frequency
Output voltage under inverter	220VAC±10%
Output frequency under inversion	50HZ or 60HZ ± 1%
Output waveform under inversion	sine wave
Battery Type	External lead-acid battery, water battery, or lithium battery
battery voltage	12VDC
Battery charging voltage	13.7VDC (optional different battery charging voltages or customized)
Maximum photovoltaic array power	800W
PV input voltage range	16V-80VDC
Maximum open circuit voltage of photovoltaic display	80VDC
Best Vmp operating range	18V-30VDC
Maximum solar charging current	60A
Maximum AC charging current	40A (default 32A)
Convert time	≤ 10ms (UPS mode)/≤ 20ms (INV mode)
Peak load ratio	(MAX)3:1
Standby power consumption (W)	Huanniu Transformer (8W)
Protection function	Under mains power: input overcurrent without fuse switch protection Under inversion: overload protection, short circuit protection, low voltage protection, battery reverse connection protection (fuse)
Status display	Color segment code screen with LED display By using the page key, you can view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current, etc. LED displays mains power, charging status, inverter status, and fault status
Audio prompt	The buzzer produces different alarm sounds based on different fault codes, distinguished by long and short tones
Operating Temperature	-10°C~50°C
Storage temperature	-15°C~45°C
relative temperature	- 10 °C~90 °C No condensation
noise	< 45dB
Machine size (L * W * H) mm	UX chassis: 325 × 263 × 133mm, 10kg
Packaging dimensions (L * W * H) mm	430 * 325 * 190MM (cardboard box) 435 * 330 * 180MM (color box)
Random accessories	1 manual, 1 fuse tube, 2 C45 cold pressed terminals