

# PowerHeart TS UPS

## 10~20kVA 3/1 Single phase Rack UPS



### Power range

10~20 kVA

### Operation

3/1, online double conversion

### Designed to CARE

Home, Small & Medium Offices, Gamers' zones, Smart Homes, Food & retail business, Business branches (gas, pharmacy, banks, ATM), Public Service Offices, etc.

### Characteristics

- Intelligent battery management.
- 3-level topology, high performance and efficiency.
- Online double conversion, full digital control.
- Output PF=1, high load adaptability.
- Wide range of input voltage tolerance.
- Adapt to half-wave load.
- Auto fault waveform recording.
- Self-aging function to save test energy

Model	PHTS010LR	PHTS015LR	PHTS020LR
Rate Power	10kVA	15kVA	20kVA
Cold start	Default output 50/60Hz		
Input voltage range	190~499VAC(L-L)		
Input power factor	≥0.99		
Frequency range	40-70Hz		
Output frequency	50/60Hz, self adaption		
Output power factor	1		
Rate output	220/230/240VAC		
Load regulation	±1%		
Output THDu	≤1%, Linear load, ≤3% non-linear load according to IEC62040-3		
Transfer time-INV to BYP	0ms		
Efficiency- normal mode	Max 95%		
Efficiency- ECO mode	98%		
Noise (1 meter)	<55dB	<62dB	<62dB
Overload (normal mode)	110%: 10mins; 125%: 1min; 150%: 30 seconds		
Battery	Model	External batteries, 16-24 settable	
	Quantity		
	Max charging	5A	
	Rate voltage	Default 192VDC, settable	
Crest factor	3:1		
Standard	RS232, RS485, EPO		
Option	AS400, SNMP card, Parallel kit, USB, 12A charger, Air filter, Single Input kit		
Dimension,(W*D*H)mm	440*730*173(4U)		
Weight (kg)	30		