

PowerHeart T 10~60kVA 3 Phases Rack UPS



10 ~60 kVA





3P/3P,3P/1P,1P/1P,Online double conversion

Designed to CARE

Small & Medium Data Center, High Density Smart Solutions, Light Industrial Applications, Smart Industry, Medium and Large Offices, Corporate Buildings.

(M) Characteristics

- Mounted in 19 inch rack, or install as tower UPS.
- 7 inch touch LCD with IoT functions.
- Flexible configuration as 3/3,3/1,1/1.
- High power density, small volume, 30KW in 3U
- High reliability and environment adaptibility.





| Model | | PHTT010LR | PHTT015LR | PHTT020LR | PHTT030LR | PHTT040LR | PHTT060LR |
|----------------------|-----------------------|---|-----------|-----------|-----------|------------------|------------------|
| Rate Power | | 10kVA | 15kVA | 20kVA | 30kVA | 40kVA | 60kVA |
| Main input | Input | 3P5W (3P+N+PE) | | | | | |
| | Rate Voltage | 380/400/415VAC(L-L): 220/230/240VAC(L-N) | | | | | |
| | Rate Freq. | 50/60Hz | | | | | |
| | Input PF | >0.99 | | | | | |
| | Current distortion | THDik3% 100% Linear)load | | | | | |
| | Voltage range | 304 478VAC(L-L)full load 304 228VAC (L-L) power derate from 100% to 75% | | | | | |
| | Freq. range | 40-70Hz | | | | | |
| Battery | Rate voltage | ±240VDC | | | | | |
| | Charging capacity | 20%*Pout | | | | | |
| | Charging accuracy | ±1% | | | | | |
| Bypass | Rate voltage | 380/400/415VAC(L-L)220/230/240VAC(L-N) | | | | | |
| | Voltage range | Range: -40%- +25% , Settable, default -20% +15% | | | | | |
| | Frequency range | 50/60Hz Settable ±1Hz ±3Hz ±5Hz | | | | | |
| Inverter | Rate voltage | 380/400/415VAC(L-L): 220/230/240VAC(L-N) | | | | | |
| | Rate Freq. | 50/60Hz | | | | | |
| | Output PF | =1= | | | | | |
| | Voltage accuracy | ±1.0% | | | | | |
| | Load response | <5% (20% - 80% -20% step load) | | | | | |
| | Recovery time | < 20ms (0% - 100% -0% step load) | | | | | |
| | Output THDu | <1% (linear load) ,<5% (non-linear load according to IEC 62040-3) | | | | | |
| | Overload | 110%,1 hour 125%,10 mins 150%,1 min >150%,200ms | | | | | |
| | Frequency accuracy | 0.1% | | | | | |
| | Synchronize window | Settable ±0.5Hz-±5Hz default ±3Hz | | | | | |
| | Slew rate | Settable 0.5Hz/S-3Hz/S default 0.5Hz/S | | | | | |
| | Crest factor | 3:1 | | | | | |
| | Phase Accuracy | 120°±0.5° | | | | | |
| System | Efficiency | Normal Mode up to 96%; Battery Mode up to 96% | | | | | |
| | Display | LED + 7 inch touch LCD | | | | | |
| | Certification- Safety | IEC62040-1, IEC60950-1 | | | | | |
| | Certification- EMS | IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) | | | | | |
| | IP degree | IP20 | | | | | |
| | Configuration | USB, RS232, RS485, Dry contact | | | | | |
| | Option | SNMP card, AS400 card, Parallel kit, LBS, Air filter, Cold start | | | | | |
| | Environment | 0-40°C (operation); -25°C-70°C (storage); 0-95% (Humidity, non-condensing) | | | | | |
| Dimension (W*D*H) mm | | | 440*774 | *130 (3U) | | 440*788*174 (4U) | 440*780*308 (7U) |
| ١ | Weight(kg) | | 27 | 28 | 29 | 38 | 60 |