

PowerHeart T

10~40kVA 3 phases Tower UPS



10 ~40 kVA

(I) Operation

3P/3P, Online double conversion



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

(M) Characteristics

- 7 inch touch LCD with IoT functions.
- High power density, small volume.
- High reliability and environment adaptibility.
- UPS with internal batteries maximum support for 80 PCS batteries.
- Standard configuration for mains input/output, bypass, maintenance bypass, battery breaker.





| Battery Bypass Riate Power In Ria | Input Rate Voltage Rate Freq. Input PF Current distortion Voltage range Freq. range Rate voltage Model Internal BAT Model External BAT Quantity Internal BAT Quantity External BAT Charging capacity Internal BAT Charging capacity External BAT Charging accuracy Rate voltage | 20PCS | 167 260VAC(L-L)full load ±120VDCi | 40-70Hz (default 20 PCS,16-24 PCS with internal batteries,12VDC PS for external batteries,Settal | derate from 100% to 50%% i, selceted) | AVA | | | | |
|--|--|---|--|---|--|---------------------------------------|--|--|--|--|
| Battery Q Bypass V C C C C C C C C C C C C C C C C C C C | Rate Voltage Rate Freq. Input PF Current distortion Voltage range Freq. range Rate voltage Model Internal BAT Model External BAT Quantity Internal BAT Charging capacity Internal BAT Charging capacity External BAT Charging capacity External BAT Charging capacity External BAT Charging capacity External BAT Charging capacity | | 167 260VAC(L-L)full load ±120VDC UPS | 200/208/220VAC(L-L) 50/60Hz >0.99 FHDi<3% 100% Linear loa 125 167VAC (L-L) power 40-70Hz (default 20 PCS,16-24 PCS with internal batteries,12VDC PS for external batteries,Settal | d derate from 100% to 50%% , selceted) ;/9Ah | | | | | |
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| Battery CI Int CI Ext CI | Freq. range Rate voltage Model Internal BAT Model External BAT Quantity Internal BAT Quantity External BAT Charging capacity Internal BAT Charging capacity External BAT Charging capacity External BAT Charging accuracy | | ±120VDC; UPS | 40-70Hz (default 20 PCS,16-24 PCS with internal batteries,12VDC PS for external batteries,Settal | s, selceted) /9Ah | 6 | | | | |
| Battery Question of the control of t | Rate voltage Model Internal BAT Model External BAT Quantity Internal BAT Quantity External BAT Charging capacity Internal BAT Charging capacity External BAT Charging capacity External BAT Charging accuracy | 20PCS | UPS UI | (default 20 PCS,16-24 PCS with internal batteries,12VDC PS for external batteries,Settal | c/9Ah | | | | | |
| Battery Battery Collini Ci Ex Coll Ra Bypass Fr Ra Ra Oo Vo | Model Internal BAT Model External BAT Quantity Internal BAT Quantity External BAT Charging capacity Internal BAT Charging capacity External BAT Charging capacity External BAT Charging accuracy | 20PCS | UPS UI | with internal batteries,12VDC PS for external batteries,Settal | c/9Ah | | | | | |
| Battery Q CI Inf CI Ex CI Bypass V R R R R CO V CO O O | Model External BAT Quantity Internal BAT Quantity External BAT Charging capacity Internal BAT Charging capacity External BAT Charging capacity External BAT Charging accuracy | 20PCS | UF | PS for external batteries,Settal | | | | | | |
| Battery Ci Inf Ci Ex Ci Bypass Ra Ra Ra Ci | Quantity Internal BAT Quantity External BAT Charging capacity Internal BAT Charging capacity External BAT Charging accuracy | 20PCS | | V 20 10 10 10 10 10 10 10 10 10 10 10 10 10 | -1- | UPS with internal batteries,12VDC/9Ah | | | | |
| Battery Quality City City City City City City City C | Quantity External BAT Charging capacity Internal BAT Charging capacity External BAT Charging accuracy | 20PCS | 40PCS | | UPS for external batteries,Settable | | | | | |
| Bypass VC Fr Ra On | Charging capacity Internal BAT Charging capacity External BAT Charging accuracy | | | 80PCS | 40PCS | 80PCS | | | | |
| Bypass Vo | Internal BAT Charging capacity External BAT Charging accuracy | | | Depend on external battery | | | | | | |
| Bypass VC Fr Rain Rain Rain Rain Rain Rain Rain Rain | External BAT Charging accuracy | 4.3%*Pout | 8.6%*Pout | 17.2%*Pout | 4.3%*Pout | 8.6%*Pout | | | | |
| Bypass Vo | 5 5 6 | 50% Pout | | | | | | | | |
| Bypass Vo | Rate voltage | ±1% | | | | | | | | |
| Fr Ri Oi | | 200/208/220VAC(L-L) | | | | | | | | |
| Ra Ra Oi Vo | Voltage range | Range: -40%- +25% , Settable, default -20% +15% | | | | | | | | |
| Ri Oi Vo | Frequency range | 50/60Hz Settable ±1Hz ±3Hz ±5Hz | | | | | | | | |
| Oi Vo | Rate voltage | 200/208/220VAC(L-L) | | | | | | | | |
| Vo | Rate Freq. | 50/60Hz | | | | | | | | |
| O | Output PF | 1 | | | | | | | | |
| | Voltage accuracy | ±1.0% | | | | | | | | |
| _ | Output THDu | <1% linear load ,<5% non-linear load according to IEC 62040-3 | | | | | | | | |
| Inverter O | Overload | 110%,1 hour 125%,10 mins 150%,1 min >150%,200ms | | | | | | | | |
| Fr | Frequency accuracy | 0.1% | | | | | | | | |
| S | Synchronize window | Settable ±0.5Hz-±5Hz default ±3Hz | | | | | | | | |
| SI | Slew rate | Settable 0.5Hz/S-3Hz/S default 0.5Hz/S | | | | | | | | |
| C | Crest factor | 3:1 | | | | | | | | |
| PI | Phase Accuracy | 120°±0.5° | | | | | | | | |
| Ef | Efficiency | Normal Mode up to 95% | | | | | | | | |
| Di | Display | LED + 7 inch touch LCD | | | | | | | | |
| C ₁ | Certification- Safety | IEC62040-1, IEC60950-1 | | | | | | | | |
| C ² | Certification- EMS | IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) | | | | | | | | |
| System Ce | Certification- Perf | IEC62040-3 | | | | | | | | |
| -, | IP degree | IP20 | | | | | | | | |
| | Configuration | USB, RS232, RS485, Dry contact, air filter, cold, start, ethernet | | | | | | | | |
| | Option | SNMP card, AS400 card, Parallel kit | | | | | | | | |
| | Environment | 0-40 °C operation -25°C ~70°C storage 0-95% (Humidity, non-condensing) | | | | | | | | |
| | | 250*645*556 | 250*694*724 | 400*770*854 | 250*694*724 | 400*770*854 | | | | |
| , |)*H) mm Internal R∆T I | 200 0 10 000 | 200 004 724 | 250*745*556 | 200 004 724 | 100 110 00-1 | | | | |
| eight(kg)mm Inte | 0*H) mm Internal BAT 0*H) mm External BAT | 90 | 139 | 245 | 140 | 248 | | | | |
| eight(kg)) mm External BAT | | 50 | 31 | 270 | 3 | | | | | |