

HTT-P Series

High Frequency Online P-Type UPS

15 - 400kVA



Advantages

➤ **Energy Sharing and Mutual Aid Design:**

The battery modules work in both directions in the mains mode, can be charged or discharged. When the input rectifier reaches the set value of power, the battery module stops charging, and the reverse operation enters the discharge mode to help the rectifier supply energy to the inverter.

➤ **Power Walk-In Function:**

Adopts the complete Power Walk In function, which can greatly reduce the impact on the equipment and the grid, improve the service life of the BUS capacitor, to provide a safe and stable output power for the load. Convenient access to generator equipment of various capacities, smooth and excessive.

➤ **Intelligent Battery Management Technology:**

ABM intelligent three-stage battery charge and discharge management technology, ultra-wide input range, reduce the number of switching battery modes, protect the battery, 3-stage charging, activate battery, effectively extend battery life by more than 30% . Intelligent battery management, annual inspection monthly inspection, early warning, improve system reliability.

➤ **10.5 inch Touch Screen Display:**

Independent research and development of Orange interface.

➤ **Simple parallel mode**

HTT-P Series Brief

The HTT P-type series 15-400kVA UPS is a true online double-conversion, static, three-phase uninterruptible power supply system. Using IGBT power conversion technology of Vienna topology, intelligent battery management system (ABM) and other world's advanced technologies, combined with the world's mainstream trends of green, environmental protection, energy saving and the industry's advanced module technology, with excellent technical indicators; can effectively block the impact of abnormal power supply on the load and provide reliable, pure and stable uninterrupted output power.

Application Area

- ✓ Medium and Large Data Centers
- ✓ Computer Room Communication Base Stations
- ✓ Automation Control Systems
- ✓ Security Systems
- ✓ Radio and Television Systems
- ✓ Medical Systems etc.

Merits of HTT-P Over Normal UPS

| Parameter | HTT-P UPS | Normal UPS |
|--|-----------|------------|
| Input Power Factor | >0.99 | >0.9 |
| Whole Unit Efficiency | >94% | >90% |
| THDV | ≤2% | ≤5% |
| Output Power Factor | 0.9 | 0.7-0.8 |
| Overload Capacity (125% Load Constant Time) | 10 mins | 1 min |

BAYKEE HTT-P UPS Technical Specifications

| MODEL | HTT-P 15K-60K | | | | | | HTT-P 80K-200K | | | | | HTT-P 300K-400K | |
|------------------------------------|---|----|----|----|----|----|---|-----|-----|-----|-----|-----------------|-----|
| Capacity (kVA) | 15 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 | 160 | 200 | 300 | 400 |
| INPUT CHARACTERISTICS | | | | | | | | | | | | | |
| Input Phase | 3 phase 4 wires+ G | | | | | | | | | | | | |
| Input Rated Voltage | 380/400/415Vac | | | | | | | | | | | | |
| Input Voltage Range | 190/330-276/478V(-15%~20%) 100% load | | | | | | | | | | | | |
| | 116/201-276/478V(-50%~20%) 50% load | | | | | | | | | | | | |
| Input Frequency | 50/60 Hz | | | | | | | | | | | | |
| Input Frequency Range | 42-72Hz | | | | | | | | | | | | |
| Current Harmonic | <2% (linear load) | | | | | | | | | | | | |
| Input Power Factor | >0.99 | | | | | | | | | | | | |
| BATTERY | | | | | | | | | | | | | |
| Battery Nominal Voltage | 384Vdc (internal)/432Vdc (external) | | | | | | 480Vdc | | | | | | |
| Battery Quantity | 32/36pcs/group(can set as 32-40pcs/group, Even number optional) | | | | | | 40pcs/group (can set as 36-44pcs/group, Even number optional) | | | | | | |
| Battery Charging Curve | Advanced ABM battery management (parameters can be customized) | | | | | | | | | | | | |
| OUTPUT CHARACTERISTICS | | | | | | | | | | | | | |
| Output Voltage Accuracy | ±1% | | | | | | | | | | | | |
| Output Nominal Voltage | 380 (default)/400/415 VAC 3phase 4 wires | | | | | | | | | | | | |
| Efficiency | ≥94% | | | | | | | | | | | | |
| Output Voltage Harmonic Distortion | Linear load <2% Non-linear load<5% | | | | | | | | | | | | |
| Rated Output Frequency | 50 Hz (default) /60 Hz | | | | | | | | | | | | |
| Output Frequency Range | ±3Hz (default) (optional ±1Hz to ±4Hz) | | | | | | | | | | | | |
| Output Frequency Accuracy | ±0.005Hz (single unit), ±0.07Hz (parallel unit) | | | | | | | | | | | | |
| Frequency Response Rate | 3 Hz/s | | | | | | | | | | | | |
| Output Power Factor | 0.9 | | | | | | | | | | | | |
| Overload Capacity | ≤110 % 1hour;≤125 % 10mins; ≤150 % 1min; ≥150 % 150ms | | | | | | | | | | | | |
| Crest Factor | 3:1 | | | | | | | | | | | | |

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| Capacity (kVA) | 15 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 | 160 | 200 | 300 | 400 |
| BYPASS | | | | | | | | | | | | | |
| Bypass Range | -15%~15% (can set as -10%~10%, -20%~20%) | | | | | | | | | | | | |
| ECO Mode | Standard | | | | | | | | | | | | |
| PARALLEL | | | | | | | | | | | | | |
| Maximum Number of Parallels | 4 Units | | | | | | | | | | | | |
| Parallel Circulation | <5% | | | | | | | | | | | | |
| ENVIRONMENTAL | | | | | | | | | | | | | |
| Working Temperature | 0 - 40°C | | | | | | | | | | | | |
| Storage Temperature | -15 - 55°C | | | | | | | | | | | | |
| Altitude | < 1000 meters | | | | | | | | | | | | |
| Humidity (Storage & Working) | 5 % - 95 % No condensation | | | | | | | | | | | | |
| Noise | ≤55dB | ≤62dB | | ≤65dB | | ≤68dB | | ≤70 dB | | ≤73 dB | | | |
| Dimensions (W*D*H) mm | 500*706*906 | 500*706*1230 | 500*706*1500 | 600*796*1876 | | | 600*806*1876 | | | | 1200*820*1880 | | |
| Net Weight (Kg) | 70 | 86 | 120 | 200 | | 280 | 310 | 455 | | 800 | 900 | | |
| Total Weight | 100 | 120 | 160 | 260 | | 350 | 378 | 523 | | 900 | 1000 | | |



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Aerospace Baykee is a Production Brand of

- IT Infrastructure
- Power Quality Service Providers
- Medium and Large Power UPS
- Power Supply and EPS Power Supply
- High-Power Modular UPS Power Supply