



HT SERIES ONLINE UPS



1KVA ~ 80KVA

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HT SERIES ONLINE UPS



1KVA~3KVA (1/1 PHASE)

SPECIFICATION

- High frequency and Double Conversion Online Technology fully digitized microprocessor control
- Wide input voltage range
- LCD display
- UPS start up without battery (optional)
- Cold Start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection (optional)
- Short circuit and overload protection
- Fan speed adjusted by load automatically
- Network / Fax / Modem Surge Protection (optional) Optional extension battery rack
- Battery voltage display
- Load capacity display
- EMI / RFI noise filter
- Smart RS232 communication with monitoring software
Optional SNMP Card Slot
- Input L and N reserved alarm function

HT SERIES ONLINE UPS

• TECHNICAL DATA

| Model | | HT1K(L) | HT2K(L) | HT3K(L) |
|------------------------------|----------------------------|---|-----------------|-------------------------------|
| Capacity | | 1000VA | 2000VA | 3000VA |
| Input | Voltage | 120~295V | | |
| | Frequency | 45-65Hz Auto Sensing | | |
| | Power Factor | ≥98% | | |
| Output | Voltage | 220VAC±1% | | |
| | Frequency | 50/60Hz ± 0.05% (battery mode) | | |
| | Efficiency | >99% | | |
| | Power Factor | 0.8/0.9 (optional) | | |
| | Crest Factor | >3:1 | | |
| | Distortion THD | Non-Linear Load THD < 5% ; Linear Load THD < 3% | | |
| | Overload | < 105% 10 min ; 105% - 130% 1 min ; > 130% 200ms | | |
| Battery | Type | Value Controlled Sealed Lead-Acid Battery | | |
| | DC Voltage | 24VDC/36VDC | 72VDC | 72VDC/96VDC |
| | Quantity for Standard Type | 12V/7AH x 2 pcs / 7AH x 3 pcs | 12V/7AH x 6 pcs | 12V/7AH x 6 pcs / 7AH x 8 pcs |
| | Charging Current | 1A/2A (4A,6A) | 1A/2A (4A,6A) | 1A/2A(4A,6A) |
| Transfer Time | AC Fault | 0ms | | |
| | Over Temperature | <4ms | | |
| Protection | Short Circuit | Shut Off Inverter and Bypass Output | | |
| | Over Temperature | Transfer to Bypass Output Automatically | | |
| Display | LCD | Input Voltage, Output Voltage, Current, Frequency, Battery Voltage & Charging Current, Fault, Alarm | | |
| | LED | UPS Status | | |
| Alarm | Battery Low Voltage | Alarm Each Second | | |
| | UPS Overload | Alarm Continually | | |
| | UPS Fault | Alarm Continually | | |
| Communication Interface | | RS232 (SNMP & USB Optional) | | |
| Environment | Temperature | 0°C-40°C | | |
| | Humidity | ≤95% | | |
| | Noise (within 1 meter) | <45dB | <50dB | |
| Weight (Net Weight) | | 11Kg/6.75Kg | 21.5Kg/7.5Kg | 22Kg/8Kg |
| Dimension WxDXH (mm) for UPS | | 145 x 350 x 220 | | 190 x 395 x 320 |

HT SERIES ONLINE UPS



6KVA~10KVA (1/1 PHASE)

SPECIFICATION

- High frequency and Double Conversion Online Technology fully digitized microprocessor control
- Wide input voltage range
- LCD display
- UPS start up without battery (optional)
- Cold Start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection (optional)
- Short circuit and overload protection
- Fan speed adjusted by load automatically
- Network / Fax / Modem Surge Protection (optional) Optional extension battery rack
- Battery voltage display
- Load capacity display
- EMI / RFI noise filter
- Smart RS232 communication with monitoring software
Optional SNMP Card Slot
- Input L and N reserved alarm function
- EPO function (optional)

HT SERIES ONLINE UPS

• TECHNICAL DATA

| Model | | HT6K(L) | HT10K(L) |
|------------------------------|------------------------|---|-------------|
| Capacity | | 6000VA | 10,000VA |
| | | N + X Parallel (up to 3 pcs) | |
| Input | Voltage | 120VAC-280VAC | |
| | Frequency | 45-55Hz (55-65Hz) Auto Sensing | |
| | Power Factor | ≥99% | |
| Output | Voltage | 220VAC±1% | |
| | Frequency | 50/60Hz ± 0.2% (battery mode) | |
| | Distortion THD | Non-Linear Load THD < 5% ; Linear Load THD < 3% | |
| | Overload | 105%-125% 1 min, 125%-150% 30s, > 150% 0.5s | |
| | Crest Factor | >3:1 | |
| | Power Factor | 0.8/0.9 | |
| | Efficiency | >91% | |
| | Dynamic Response | Full Load ± 3% | |
| | Wave Form | Sine Wave | |
| Battery | Type | Value Controlled Sealed Lead-Acid Battery | |
| | DC Voltage | 192VDC | |
| | Quantity for Battery | 12V/7AH x 16 (pcs) | |
| | Charging Current | 2A/4A 8A (Optional) | |
| Transfer Time | AC Fault | 0ms | |
| | Over Temperature | 0ms | |
| Protection | Short Circuit | Shut Off Inverter and Bypass Output at The Same Time | |
| | Over Temperature | Transfer to Bypass Output Automatically | |
| Display | LCD | Input Voltage, Output Voltage, Current, Frequency, Battery Voltage & Charging Current, Fault, Alarm | |
| | LED | UPS Status | |
| Alarm | Battery Low Voltage | Alarm Every Second | |
| | AC Fault | Alarm Every 4 Second | |
| | UPS Overload | Alarm Continually | |
| | UPS Fault | Alarm Continually | |
| Communication Interface | | RS232 (SNMP Optional) | |
| Environment | Temperature | 0°C-40°C | |
| | Humidity | ≤90% | |
| | Noise (within 1 meter) | <50dB | |
| Weight (Net Weight) | | 18Kg/57Kg | 20Kg/67.5Kg |
| Dimension WxDXH (mm) for UPS | | 240 x 500 x 440 (L) / 248 x 500 x 565 | |

HT SERIES ONLINE UPS



10KVA~80KVA (3/3 PHASE)

SPECIFICATION

- Double Conversion Online Technology
- Adopt DSP technology
- LCD display touch control
- Adopt ECO mode
- Smart RS232 communication with monitoring software Adopt EPO mode
- Wide input voltage range
- Charging voltage can be adjusted
- N+X parallel
- Optional SNMP USB/RS458

HT SERIES ONLINE UPS

• TECHNICAL DATA

| Model | | HT33 10-40kVA | HT33 50-80kVA | |
|--------------------------------------|----------------------------------|--|---|--|
| Capacity | | 10-40kVA | 50-80kVA | |
| Input | Input | Three Phase four wire+ground | | |
| | Rated Voltage | 380/400/415VAC | | |
| | Voltage Range | 208~478V | | |
| | Frequency Range | 45-55Hz at 50Hz/54-66Hz at 60Hz (Adoptive) | | |
| | Power Factor | ≥0.99 | | |
| | Input Current Harmonic | ≤3% (100% non-linear load) | | |
| | Bypass Voltage | Bypass Protection Voltage Upper Limit: 220V:+25% (optional: 10%, 15%, 20%) 230V+20% (optional: 10%, 15%) 240V: +15% (optional: 10%) Bypass Protection Voltage Lower Limit: -20% (optional: 20%, 30%) Bypass Frequency Protected Range: ± 10% | | |
| Output | Output | Three Phase four wire+ground | | |
| | Rated Voltage | 380/400/415VAC | | |
| | Power Factor | 0.9 or 0.8 | | |
| | Voltage Accuracy | ±1% | | |
| | Output Frequency | Mains | Synchronize with input; when the mains frequency exceeds the maximum (can set ± 1%, ±2%, ±4%, | |
| | | Battery | (50/60±0.2%)Hz | |
| | Loak Peak Ratio | 3:1 | | |
| | Output Total Harmonic Distortion | ≤2% linear load, ≤5% non-linear load | | |
| Efficiency | Normal Mode ≥ 94.5% | | | |
| Battery | Battery Voltage | 192V DC/ ± 192V DC | | |
| | Charging Current | 10A max | 20A max | |
| | Exchange Time | Mains mode turn to bypass mode: 0ms (track) | | |
| Mains mode turn to battery mode: 0ms | | | | |
| Protection | Overload capability | ≤110%, 60 minutes, ≤125%, maintain 10 minutes, ≤150%, maintain 1 minute, ≥150% shut down the | | |
| | Over temperature protection | Normal Mode: turn to bypass mode; Battery Mode: shut down the output immediately | | |
| | Emergency shut down (EPO) | Shut down the output immediately | | |
| | | USB, RS485, Dry Node, Parallel (optional) | | |