

HEXATRON 3P/3P 10-80KVA



- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers for long-run model
- Maintenance bypass available
- Parallel operation with common battery
- Power walk-in function
- Optional parallel operation
- Optional isolation transformer offers full isolation and complete common mode noise rejection

Supreme Tower 3-phase in/3-phase out Online UPS Selection Guide

| MODEL | HTST010 | HTST015 | HTST020 | HTST030 | HTST040 | HTST060 | HTST080 | |
|--------------------------------------|--|---|-------------------------------------|--------------------------|----------------------------------|--------------------------|------------------|-----|
| PHASE | 3Ph in/ 3Ph out or 3Ph in 1Ph out or 1Ph in 1Ph out | | | | 3-phase in / 3-phase out | | | |
| CAPACITY | 10KVA /10KW | 15KVA /15KW | 20KVA /20KW | 30KVA /30KW | 40KV /40KW | 60KVA /60KW | 80KVA /80KW | |
| PARALLEL CAPABILITY | up to 4 units in parallel | | | | up to 6 units in parallel | | | |
| INPUT | | | | | | | | |
| Nominal Voltage | 3 x 400 VAC (3Ph+N) / 230 VAC (1Ph+N) | | | | 3 x 380/400/415 VAC (3Ph+N) | | | |
| Voltage Range | 110-300 VAC ± 3 % @ 50% load; 176-276 VAC ± 3 % @ 100% load | | | | | | | |
| Frequency Range | 46-54 Hz or 56-64Hz | | | | 40-70 Hz | | | |
| Power Factor | ≥ 0.99 @ 100% Load | | | | | | | |
| Harmonic Distortion (THDi) | < 4% at full linear load | | | | | | | |
| OUTPUT | | | | | | | | |
| Output Voltage | 3 x 360/380/400/415 VAC(3Ph+N) or 208/220/230/240 VAC (1Ph+N) | | | | 3 x 360*/380/400/415 VAC (3Ph+N) | | | |
| AC Voltage Regulation (Batt. Mode) | ± 1% | | | | | | | |
| Frequency Range (Synchronized Range) | 46-54Hz or 56-64Hz | | | | | | | |
| Frequency Range (Batt. Mode) | 50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz | | | | 50/60 Hz ± 1% | | | |
| Current Crest Ratio | | | | | 3:1 (max.) | | | |
| Harmonic Distortion | ≤ 2% THD (Linear Load) ; ≤ 5 % THD (Non-linear Load) | | | | | | | |
| Transfer Time | AC Mode to Batt. Mode | Zero | | | | | | |
| | Inverter to Bypass | Zero | | | | | | |
| Waveform (Batt. Mode) | Pure Sine wave | | | | | | | |
| Overload Capability | AC Mode | 100-110% for 60 min, 110-125% for 10 min, 125%-150% 1min, >150% immediately | | | | | | |
| | Battery Mode | 100-110% for 60 min, 110-125% for 10 min, 125%-150% 1min, >150% immediately | | | | | | |
| BYPASS | | | | | | | | |
| Nominal Voltage | 3 x 380/400/415 VAC (3Ph+N) | | | | | | | |
| Voltage Range | -30% ~ +20% (Adjustable) | | | | | | | |
| Frequency Range (Synchronized Range) | 46-54Hz or 56-64Hz | | | | | | | |
| Overload Capability | > 130% 1 minute (default) ; continuously working until breaker protection (optional) | | | | | | | |
| EFFICIENCY | | | | | | | | |
| AC Mode | 95.5% | | | | | | | |
| ECO Mode | 98.5% | | | | | | | |
| Battery Mode | 94.5% | | | | | | | |
| BATTERY | | | | | | | | |
| Standard Model | Battery Type | 12V/9Ah | 12V/9Ah | 12V/9Ah | 12 V/7 Ah | 12 V/9 Ah | N/A | |
| | Numbers | (10+10) pcs | (16+16) pcs | (16+16) pcs | (16+16) pcs x 2 strings | | | |
| | Typical Recharge Time | 9 hours recover to 90% capacity | | | | | | |
| | Charging Current (max.) | 1A ~ 12A (Adjustable) | | | | | | |
| Long-run Model | Charging Voltage | +/-136.5 VDC | +/-218 VDC | | | | | |
| | Battery Type | Depending on the applications | | | | | | |
| | Numbers | 20 pcs | +/-16 pcs ~ +/- 20 pcs (Adjustable) | | | | | |
| | Charging Current (max.) | 1A ~ 12A (Adjustable) | | | | 2A ~ 24A (Adjustable) | | |
| Charging Voltage | +/-13.65V*N(N=8-10) | | +/-13.65V*N (N=16-20) | | | | | |
| INDICATORS | | | | | | | | |
| LCD Panel | UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions | | | | | | | |
| PHYSICAL | | | | | | | | |
| Standard Model | Dimension, DxWxH (mm) | 630 x 250 x 826 | | | 815 x 300 x 1000 | | N/A | |
| | Net Weight (kgs) | 124 | 139 | | 225 | 250 | | |
| Long-run Model | Dimension, DxWxH (mm) | 630 x 250 x 826 | | | 815 x 300 x 1000 | | 790 x 360 x 1010 | |
| | Net Weight (kgs) | 37 | 43 | | 60 | 67 | 108 | 113 |
| ENVIRONMENT | | | | | | | | |
| Operation Temperature | 0-40°C | | | | | | | |
| Operation Humidity | < 95% and non-condensing | | | | | | | |
| Altitude** | 0 ~ 1500m at full load | | | | | | | |
| Noise Level | Less than 60 dB@1 Meter | Less than 65 dB @1 Meter | | Less than 63 dB @1 Meter | | Less than 65 dB @1 Meter | | |
| MANAGEMENT | | | | | | | | |
| Smart RS-232 / USB | Supports Windows® Family, Linux and MAC | | | | | | | |
| Optional SNMP | Power management from SNMP manager and web browser | | | | | | | |

*If output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%.

**If the UPS is installed or used in a place where the altitude is higher than maximum height, the output power will be derated 1% per 100m.

Product specifications are subject to change without further notice.