



U-EHT33 Series

Online high frequency UPS

- Self-load test function
- 32 bit high speed DSP
- 30-44 units adjustable battery configuration
- Compatible with lithium battery



UPS (10KVA - 200KVA)

■ Power Range

3 phase in, 3 phase out,
10kVA-200kVA

■ Application

Computers, data centers, network device, telecommunication, precision instrument.

◆ Adjustable Battery Configuration



■ Performance characteristics

Advanced Technology

- Wide input voltage
- 50/60Hz auto sensing
- Input power factor correction
- 32 bit high speed digital signal processing DSP
- Self-load test function without loads
- N+X parallel function

Outstanding Flexibility

- Adjustable battery numbers: 30-44 units
- Generator compatible
- Comprehensive display for easy monitoring
- Cold start function
- Output isolation transformer as optional

Green Performance

- ECO mode for energy saving
- Input PF ≥ 0.99 @100% load

SPECIFICATIONS :

| Model | U-EHT3310S U-EHT3310L | U-EHT3320S U-EHT3320L | U-EHT3330S U-EHT3330L | U-EHT3340S U-EHT3340L | U-EHT3350S U-EHT3350L | U-EHT3360S U-EHT3360L | U-EHT3380L | U-EHT33100L | U-EHT33120L | U-EHT33160L | U-EHT33200L | |
|-------------------------|--|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|------------------|-------------|--------------------------|----------------------|-----|
| Capacity | 10kVA | 20kVA | 30kVA | 40kVA | 50kVA | 60kVA | 80kVA | 100kVA | 120kVA | 160kVA | 200kVA | |
| Input | | | | | | | | | | | | |
| Rated Voltage | 380Vac (3 phase+N) | | | | | | | | | | | |
| Voltage Range | 304Vac ~ 478Vac (line voltage) full load; 304Vac ~ 228Vac (line voltage) load derated linearly from 100% to 80% | | | | | | | | | | | |
| Frequency Range | 40Hz ~ 70 Hz | | | | | | | | | | | |
| Power Factor | ≥ 0.99@100% load; ≥ 0.98@50% load | | | | | | | | | | | |
| THDi | < 3% (100% linear load) ; < 5% (100% nonlinear load) | | | | | | | | | | | |
| Output | | | | | | | | | | | | |
| Output Voltage | 380/400/415Vac (3phase+N); | | | | | | | | | | | |
| Voltage Accuracy | ±1%@balanced load; ±5%@unbalanced | | | | | | | | | | | |
| THDu | ≤2% (100% linear load) ; ≤4% (nonlinear load) | | | | | | | | | | | |
| Power Factor | 0.9 (1 optional) | | | | | | | | | | | |
| Frequency Range | ±2Hz (settable); ±0.5Hz, ±1Hz, ±3Hz (settable) (Synchronizing Range) | | | | | | | | | | | |
| Frequency Range | 50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz (Battery Mode) | | | | | | | | | | | |
| Overload | < 105%, long run; < 110%, 60 min; 110 ~ 125% rated load, load 10 min; > 125 ~ 150% rated load, load 1 min; > 150%, 200ms | | | | | | | | | | | |
| Crest Factor | 3:1(maximum) | | | | | | | | | | | |
| Switching Time | 0 ms (Main power ↔ Battery) | | | | | | | | | | | |
| | 1 ms (phase lock failure, <2ms interrupt occurs) (Inverter ↔ Bypass) | | | | | | | | | | | |
| | <2 ms (Inverter ↔ ECO) | | | | | | | | | | | |
| Efficiency | | | | | | | | | | | | |
| Inverter Mode | ≥95% | | | | | | | | | | | |
| ECO Mode | ≥99% | | | | | | | | | | | |
| Battery | | | | | | | | | | | | |
| Number | Long backup | 32; 30 ~ 44 (±15~±22) (settable) | | | | | | | | | | |
| | Standard backup | (30~60) x7AH/9AH | (60~80) x7AH/9AH | | | | NA | | | | | |
| Charging Current | Capacity* 15%/N/12 (N=±15-22) | | | | | | | | | | | |
| Charging Voltage | ± 13.65Vdc * N ± 1% (N=±15-22) | | | | | | | | | | | |
| Physical | | | | | | | | | | | | |
| Long backup | Size WxDxH(mm) | 280 x 685 x 725 | | | 425 x 780 x 1200 | | | 600 x 800 x 1600 | | 600 x 960 x 1600/2000 | 600 x 1010 x 2000 | |
| | Net Weight(kg) | 45 | | | 108 | | | 230 | | 310 | 360 | 460 |
| Standard backup | Size WxDxH(mm) | 400 x 685 x 1000 | | | 425 x 780 x 1580 | | | NA | | | | |
| | Net Weight(kg) | 62(w/o battery) | | | 135(w/o battery) | | | NA | | | | |
| Environment | | | | | | | | | | | | |
| Working Temperature | 0~ 40°C battery life will be shorten when temperature > 25°C | | | | | | | | | | | |
| Relative Humidity | 0~95% no condensation | | | | | | | | | | | |
| Altitude | 1000 meters no derate, > 1000 meters derating 1% for every 100 meters rise | | | | | | | | | | | |
| Noise | ≤60dB (A)@ 1 meter | | | | | | | | | | | |
| Management | | | | | | | | | | | | |
| Intelligent RS232/RS485 | Support Windows® 2000/2003/XP/Vista/2008、Windows® 7/8/10、Linux and MAC | | | | | | | | | | | |
| Optional | SNMP/Dry contact | | | | | | | | | | | |

* Specifications are subject to change without prior notice.

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