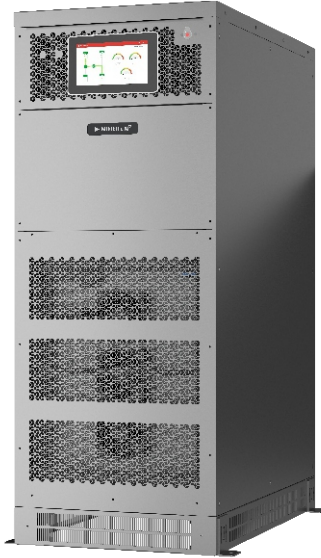


The 10-60kVA Online 3/3 UPS is a high-performance, true double-conversion uninterruptible power supply engineered for mission-critical industrial applications. Featuring an inbuilt, robust galvanic isolation transformer, this system provides unmatched protection against electrical noise, surges, and voltage fluctuation. Designed with unity power factor and superior efficiency up to 96%, this UPS maximizes active power availability while reducing operational energy costs. It provides a 3-phase input and 3-phase output for balanced, clean, and stable power to sensitive, heavy-duty equipment.



General Features

- Online double conversion
- High efficiency up to 96%
- 7-inch touch LCD with IoT functions
- Built-in Isolation Transformer
- High reliability and environmental adaptability
- N+X parallel redundancy, support maximum 4 units in parallel
- Unity power factor
- Input Harmonic Distortion THDi < 3%
- Intelligent battery management
- Lithium-ion Battery Support
- Cold start
- Multiple communication interfaces

SPECIFICATIONS

| MODEL | | NPS-AC10IT33E | NPS-AC20IT33E | NPS-AC30IT33E | NPS-AC40IT33E | NPS-AC60IT33E |
|------------|--------------------------|---|-------------------------------|---------------|---------------|---------------|
| Capacity | kVA | 10kVA | 20kVA | 30kVA | 40kVA | 60kVA |
| | Watts | 10000 | 20000 | 30000 | 40000 | 60000 |
| | Phase | Three Phase + Neutral + Ground | | | | |
| Input | Normal Voltage | 380/400/415VAC(L-L) 220/230/240VAC(L-N) | | | | |
| | Voltage Range | 304-478VAC(L-L) full load 304-228VAC (L-L) power derate from 100% to 75% | | | | |
| | Frequency | 50/60Hz (40-70Hz) | | | | |
| | Power Factor | >0.99 | | | | |
| | Harmonic Distortion THDi | THDi < 3% (100% Linear load) | | | | |
| | Bypass Voltage Range | Settable: Upper limit%: +10, +15, +20, default +15, Lower limit%: -10, -15, -30, -40, default -20 | | | | |
| | Bypass Frequency Range | Settable: ±1Hz, ±3Hz, ±5Hz | | | | |
| Output | Output Voltage | 380/400/415VAC(L-L) 220/230/240VAC(L-N) | | | | |
| | Power Factor | 1 | | | | |
| | Voltage Regulation | ±1% | | | | |
| | Frequency Accuracy | ±0.1% | | | | |
| | Current Crest Ratio | 3:1 | | | | |
| | Harmonic Distortion THDv | <1% linear load, <5% non-linear load according to IEC 62040-3 | | | | |
| | Phase Accuracy | 120° ±0.5° | | | | |
| | Waveform | Sine wave | | | | |
| | Output Socket Type | Output terminal Type | | | | |
| | Overload | 110%, 1 hour; 125%, 10 mins; 150%, 1 min; >150%, 200ms | | | | |
| | Efficiency | Normal Mode | 96% | | | |
| ECO Mode | | >99% | | | | |
| Battery | Battery Type Support | Lead Acid and Lithium-ion | | | | |
| | Rate Voltage | 480VDC (with neutral point) | | | | |
| | Quantity | 20-50 PCS (40 PCS Default) | 30-50 PCS (40 PCS Default) | | | |
| | Charging Capacity | 20%*Pout | | | | |
| Management | Display | LED + 7 inch touch LCD | | | | |
| | Communication Interface | SNMP, USB, RS232, RS485, Dry contact, IoT Card (Optional) | | | | |
| Indicators | Green | System is working normally | | | | |
| | Red | System fails or fault | | | | |
| | Yellow | System warns (utility fails, over load, etc) | | | | |

Maxion Series

10-60KVA Online 3/3 UPS with Isolation Transformer



SPECIFICATIONS

| MODEL | | NPS-AC10IT33E | NPS-AC20IT33E | NPS-AC30IT33E | NPS-AC40IT33E | NPS-AC60IT33E |
|----------------|-----------------------|---|---------------|---------------|---------------|---------------|
| System Feature | Transfer time | Mains to battery: 0ms; Inverter to bypass: 0ms | | | | |
| | Alarm | Battery mode, battery low, Overload, fault, etc. | | | | |
| | Protection | Overload, short circuit, battery over charging, etc. | | | | |
| | Isolation Transformer | Default Output Side (Optional for Input) | | | | |
| Environment | Humidity | 0-95% (Non-condensing) | | | | |
| | Noise level | 67~72dB at full load | | | | |
| | IP rating | IP20 | | | | |
| | Operating Temperature | 0-40°C | | | | |
| | Storage Temperature | -25 ~70 °C | | | | |
| | Altitude | ≤3000m above sea level, derate power by 2% per 100m between 3000m and 4000m | | | | |
| Physical | Dimension WxDxH (mm) | 501x865x1256 (for refer) | | | | |
| | Weight (kg) | 255(for refer) | | | | |
| Standard | Safety | IEC62040-1, IEC60950-1 | | | | |
| | EMC | IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) | | | | |

*Product specifications and appearance are subject to change without prior notice.

ORDERING INFORMATION

| Part Number | Description |
|---------------|--|
| NPS-AC10IT33E | 10kVA Online Tower 3/3 UPS with Isolation Transformer (External Battery) |
| NPS-AC20IT33E | 20kVA Online Tower 3/3 UPS with Isolation Transformer (External Battery) |
| NPS-AC30IT33E | 30kVA Online Tower 3/3 UPS with Isolation Transformer (External Battery) |
| NPS-AC40IT33E | 40kVA Online Tower 3/3 UPS with Isolation Transformer (External Battery) |
| NPS-AC60IT33E | 60kVA Online Tower 3/3 UPS with Isolation Transformer (External Battery) |

COMPATIBLE ACCESSORIES

| Part Number | Description |
|--------------|--------------------------------|
| NPS-ACIOT01C | IoT Card for Maxion Series UPS |
| NPS-ACP310M | Parallel cable for 3Ph, 10m |