

Ultra Power Series is a transformer-based UPS of Cellnor, both input and output are 3 phases. The output power factor is 0.9. These ups can work in parallel and expand its power capacity. This series UPS is highly reliable and have good impact resistance, it can supply safe and reliable protection for the load.



### General Features

- Online Double Conversion
- Full DSP Control
- High Power Factor
- Wide input adaptability
- Optimized battery management
- N+X parallel redundancy
- Strong overload capability
- Multi-protection
- Generator Mode
- EPO function

### SPECIFICATIONS

| MODEL    |                            | CN43340TU                                                                                       | CN43360TU | CN43380TU |
|----------|----------------------------|-------------------------------------------------------------------------------------------------|-----------|-----------|
| Capacity | kVA                        | 40kVA                                                                                           | 60kVA     | 80kVA     |
|          | Watts                      | 36kW                                                                                            | 54kW      | 72kW      |
| Input    | Normal voltage             | 380/400/415Vac (3Ph+N+PE) (-25% +20%)                                                           |           |           |
|          | Harmonic distortion(THDi)  | <3%(100% linear load)                                                                           |           |           |
|          | Operating frequency range  | 50/60Hz (±5Hz)                                                                                  |           |           |
|          | Power factor               | 0.98 (with filter)                                                                              |           |           |
|          | Bypass voltage range       | Upper limit:+20%(+10%,+15%,+20% adjustable)<br>Lower limit:-40%(-10%,-20%,-30%,-40% adjustable) |           |           |
|          | Bypass Frequency range     | ±10%(±2.5%,±5%,±10%,±20% adjustable)                                                            |           |           |
| Output   | Rated voltage              | 380/400/415Vac (3Ph+N+PE)                                                                       |           |           |
|          | Power factor               | 0.9                                                                                             |           |           |
|          | Voltage regulation         | ±1%                                                                                             |           |           |
|          | Frequency                  | 50/60(±0.1)Hz                                                                                   |           |           |
|          | Crest factor               | 3:1                                                                                             |           |           |
|          | Harmonic distortion (THDv) | ≤2% with linear load                                                                            |           |           |
|          | Efficiency                 | >90%                                                                                            | >90.5%    |           |
|          | Output Waveform            | Pure Sine Wave                                                                                  |           |           |
| Battery  | Battery voltage            | 384Vdc (30/32pcs)                                                                               |           |           |

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|-----------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| System Features | Transfer time         | Mains to battery:0ms;                                                                                                               |              |           |
|                 | Overload              | 110%60min, 125%10min, 150%1min                                                                                                      |              |           |
|                 | LED Display           | Input,Inverter,Bypass,Battery,Output,Status                                                                                         |              |           |
|                 | LCD Display           | I/O voltage,frequency,power,power factor,battery voltage,current,battery status,load percentage, UPS status,history record,settings |              |           |
|                 | Communication         | USB, RS232, RS485, Parallel port,dry contact, Intelligent slot, LBS, SNMP card (optional), Relay card (optional)                    |              |           |
| Environment     | Operating temperature | 0~40°C                                                                                                                              |              |           |
|                 | Storage temperature   | -25~55°C                                                                                                                            |              |           |
|                 | Humidity range        | 0~95% (Non-condensing)                                                                                                              |              |           |
|                 | Altitude              | <1500m                                                                                                                              |              |           |
|                 | Noise level           | <70dB                                                                                                                               |              |           |
| Physical        | Dimension WxDxH(mm)   | 57x800x1195                                                                                                                         | 880x760x1600 |           |
|                 | Net Weight (kg)       | 330                                                                                                                                 | 483          | 525       |
| Standards       | Safety                | IEC/EN62040-1,IEC/EN60950-1                                                                                                         |              |           |
|                 | EMC                   | IEC/EN 62040-2;IEC 61000-2-2;IEC 61000-4-2;IEC 61000-4-3;IEC 61000-4-4<br>IEC 61000-4-5;IEC 61000-4-6;IEC 61000-4-8;IEC 61000-4-11  |              |           |
|                 | Performance           | IEC62040-3                                                                                                                          |              |           |

### ORDERING INFORMATION

| Part Number | Description                                   |
|-------------|-----------------------------------------------|
| CN43340TU   | 40kVA Double Conversion Transformer-Based UPS |
| CN43360TU   | 60kVA Double Conversion Transformer-Based UPS |
| CN43380TU   | 80kVA Double Conversion Transformer-Based UPS |