

UGX Series

60/80/100kVA
3:3 Phase

Applications:

For all kind of ADP Machines



Features:

- True Online Double Conversion Topology
- 3-Level IGBT Based Rectifier & Inverter
- Wide Input Voltage Range
- High Input Power Factor : ≥ 0.99
- Wide Input Frequency Range : 40-70Hz
- Parallel upto 4 units
- Static Bypass and Cold Start
- High Output Power Factor : 1.0
- Low Harmonic Distortion : $< 3\%$
- Configurable Batteries : 30~50 Nos.
- Inbuilt Transformer
- IOT Compatible



Control Panel

Output PF 1.0
ECO Efficiency 99%
Input PF 0.99



| MODEL | | UGX3360L32 | UGX3380L32 | UGX33100L32 |
|--------------------------------|-----------|--|--------------|-------------|
| Capacity (kVA) | | 60 | 80 | 100 |
| INPUT | | | | |
| Nominal Voltage | | 380V / 400V / 415V AC (3Ph+N+PE) | | |
| Voltage Range | | +25% – 35% | | |
| Frequency Range | | 50 / 60 Hz ± 20% Auto Sensing | | |
| Power Factor | | ≥ 0.99 | | |
| Harmonic Distortion (THDi) | | ≤ 2% | | |
| Bypass Range | Voltage | 35% (Optional -20%, -30%) | | |
| | Frequency | ± 10% (Configurable) | | |
| Generator Input | | Support | | |
| OUTPUT | | | | |
| Output Voltage | | 380V / 400V / 415V AC (3Ph+N+PE) | | |
| Voltage Regulation | | ± 1% | | |
| Power Factor | | 1.0 | | |
| Frequency | | Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50/60 Hz ± 0.1 Hz Battery Mode | | |
| Crest Factor | | 3:1 | | |
| Harmonic Distortion (THDv) | | ≤ 2% | | |
| Overload | | ≤125% for 10 Min, ≤ 150% for 1 Min, ≥ 150% for 200 ms | | |
| Efficiency | | 96.5% Dual Conversion Mode, 99% ECO Mode | | |
| BATTERY | | | | |
| Battery Voltage | | 300 - 600V DC | | |
| SYSTEM FEATURES | | | | |
| Transfer Time | | Zero | | |
| Self-Diagnostics / EPO | | Upon Power On and Software Control / Inbuilt | | |
| IP Protection | | IP 20 | | |
| Alarm / Protection | | Line Failure, Battery Low, Overload, System Fault and Short Circuit | | |
| Display | LED | Line Mode, Bypass Mode, Battery Low, Overload and UPS Fault Codes | | |
| | LCD | Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load %, Battery Voltage & Temperature, Output W/VA | | |
| Parallel | | Inbuilt | | |
| ENVIRONMENT | | | | |
| Temperature | | Operating: 0~50°C*, Storage: -10°C ~ 55°C | | |
| Humidity / Altitude | | 0~95% RH Non-condensing / <1500 M | | |
| Noise | | <60dBA | | |
| STANDARDS | | | | |
| Quality | | ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, RoHS | | |
| Safety | | IEC/EN62040-1 | | |
| EMC / Performance | | IEC/EN62040-2; IEC/EN62040-3, Complying to CE | | |
| PHYSICAL | | | | |
| Dimension WxDxH (mm) | | 500x580x655 | 884x850x1200 | |
| Net Weight (Kg) | | 124 | 227 | 264 |
| COMMUNICATION INTERFACE | | | | |
| Standard | | RS-232 | | |
| Optional | | SNMP / ModBus / Dry Contact / USB / RS-485 | | |
| Monitoring Software | | NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000 | | |

*Conditions apply.

Specifications are subject to change without prior notice.

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