

UGX Series

120 ~ 250kVA

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 Isolation
- IOT Compatible



Control Panel

Output PF 1.0
ECO Efficiency 99%
Input PF 0.99



| MODEL | | UGX33120L50 | UGX33150L50 | UGX33200L50 | UGX33250L50 |
|--------------------------------|-----------|--|-------------|-------------|-------------|
| Capacity (KVA) | | 120 | 150 | 200 | 250 |
| INPUT | | | | | |
| Nominal Voltage | | 380V / 400V / 415V AC (3Ph+N+PE) | | | |
| Voltage Range | | 305 - 478V AC | | | |
| Frequency Range | | 50 / 60 Hz \pm 10% Auto Sensing | | | |
| Power Factor | | \geq 0.99 | | | |
| Harmonic Distortion (THDi) | | \leq 3% | | | |
| Bypass Range | Voltage | 380 V AC Max. Voltage: +25% (Optional +10%, +15%, +20%) 400V AC Max. Voltage: +20%(Optional +10%, +15%) 415V AC Max. Voltage: +15% (Optional +10%) Min. Voltage: -45% (Optional -20%, -30%) | | | |
| | Frequency | \pm 10% (Configurable) | | | |
| Generator Input | | Support | | | |
| OUTPUT | | | | | |
| Output Voltage | | 380V / 400V / 415V AC (3Ph+N+PE) | | | |
| Voltage Regulation | | \pm 1% | | | |
| Power Factor | | 1.0 | | | 0.9 |
| Frequency | | Auto Sensing 50 / 60 Hz \pm 1~10% Sync Mode (Configurable), 50/60 Hz \pm 0.1 Hz Battery Mode | | | |
| Crest Factor | | 3:1 | | | |
| Harmonic Distortion (THDv) | | \leq 2% | | | |
| Overload | | \leq 125% for 10 Min, \leq 150% for 1 Min, \geq 150% for 200 ms | | | |
| Efficiency | | 96.5% Dual Conversion Mode, 99% ECO Mode | | | |
| BATTERY | | | | | |
| Battery Voltage | | 360 - 600 VDC | | | |
| 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: -25°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) | | 884 x 850 x 1200 | | | |
| Net Weight (Kg) | | 250 | 270 | 290 | 360 |
| 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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POWER IS ON

