

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
- 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		UGX33120L32	UGX33150L32	UGX33160L32	UGX33200L32	UGX33250L32
Capacity (KVA)		120	150	160	200	250
INPUT						
Nominal Voltage		380V / 400V / 415V AC (3P+N+PE) or 380V / 400V / 415V AC (3P+PE) Optional				
Voltage Range		305 - 478V AC				
Frequency Range		50 / 60 Hz ± 10% Auto Sensing				
Power Factor		≥ 0.99				
Harmonic Distortion (THDi)		≤ 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	± 10% (Configurable)				
Generator Input		Support				
OUTPUT						
Output Voltage		380/400/415 VAC, supports both 3P+PE and 3P+N+PE wire configurations				
Voltage Regulation		± 1%				
Power Factor		1.0				0.9
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		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)		440 x 1000 x 2000				
Net Weight (Kg)		250	270	282	290	360
COMMUNICATION INTERFACE						
Standard		RS-232				
Optional		SNMP / ModBus / Dry Contact / USB / RS-485				
Monitoring Software		BPE Cyber				

* Conditions apply.
Specifications are subject to change without prior notice.

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