



IGTX Series

120KVA ~ 300KVA
3:3 Phase O/P PF:0.9



IGTX Series UPS 120~300KVA use double conversion technology with a very advanced design criteria improves the performance and built-in output isolation transformer protects critical load.

SALIENT FEATURES:

- True Online double-conversion with DSP control
- IGBT based PWM Rectifier and Inverter
- High input power factor (>0.99)
- Generator compatible ; Built-in Static Bypass & Manual Bypass
- Inbuilt galvanic isolation transformer
- Independent control on three inverter phases
- High instantaneous overload capacity
- High MTBF (> 200,000Hrs) and Low MTTR
- Intelligent self-diagnosing function, all kinds of failure protection, large capability of history records storage
- Standard emergency power off (EPO)
- N+X redundancy parallel up to 6 units (Optional)



Touch Screen

APPLICATIONS



- **GOVERNMENT AND INFRASTRUCTURE**
- **IT AND IT ENABLED SERVICES (IT/ITes)**
- **BANK, INSURANCE & FINANCIAL SERVICES**
- **TELECOMMUNICATIONS**
- **MANUFACTURING**
- **MEDICAL DIAGNOSTICS- MRI, CT SCAN, SONOGRAPHY, CATH LAB, BLOOD BANK**
- **INDUSTRIAL AUTOMATION- CNC ROUTERS, FIBER LASER METAL CUTTING, SORTEX**

Technical Specification of IGTX Series 120~300KVA

MODEL	IGTX33120L50	IGTX33160L50	IGTX33200L50	IGTX33250L50	IGTX33300L50
Capacity (kVA)	120	160	200	250	300
INPUT					
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)				
Voltage Range	304 ~ 346 V (Derating 10%), 346 ~ 456 V (full load)				
Rated Frequency	50 / 60 Hz (Auto Sensing)				
Frequency Range	50 / 60 Hz ± 5 Hz				
Power Factor	> 0.99				
Harmonic Distortion (THDi)	≤ 3%				
Bypass Voltage Range	± 20% (Configurable)				
Power Walk-in	10 sec (1 ~ 300 settable)				
OUTPUT					
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)				
Voltage Regulation	±1%				
Frequency	50 / 60 Hz ± 0.1% in Battery mode				
Power Factor	0.9	0.8	0.9		
Waveform	Pure Sine-Wave				
Crest Factor	3:1				
Harmonic Distortion (THDv)	≤ 1%				
Efficiency	≥ 94.0% Dual Conversion Mode, 99.0% ECO Mode				
Transfer Time&Recovery Time	Zero ; Within 20ms				
Overload Capability	≤110% for 60 Min, ≤125% for 10 Min, ≤150% for 1 Min and ≥ 150% for 300 ms				
BATTERY					
Nominal DC Voltage	600V DC(Standard) ; Other Configuration as 576V DC & 624V DC				
Number of Battery	48 ~ 52 Nos. (Configurable)				
Charging	Three-Stage Charging, Auto Switch Floating / Equalizing Charge				
SYSTEM FEATURES					
IP Rating	IP20				
Alarms / Protection	Input Under/Over Voltage, Battery Low, Output Under/Over Voltage, Overload, Short Circuit, Overcharge/discharge & UPS Fault				
LED Indications	Status for Normal, UPS Fault, Bypass & Battery Mode				
LCD Display	Input, Bypass, Inverter, Output Voltage & Frequency / Current / kVA / kW / PF / Load %, Battery Voltage, DC Bus Voltage, Charging & Discharging Current, Temperature and Events				
ENVIRONMENTAL					
Temperature	Operating: 0~50°C*, Storage: -15°C ~ 60°C				
Humidity / Altitude	0~95% RH Non-condensing / <1500 M				
Noise	<75dB @1 meter distance				
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					
Dimensions WxDxH (mm)	800 x 800 x 1800	765 x 845 x 1700	1210 x 860 x 1950		
Pkd. Dimensions WxDxH (mm)	900 x 900 x 2050	850 x 950 x 2000	1300 x 1000 x 2200		
Net Weight (Kg)	680	745	1135	1275	1355
Gross Weight (Kg)	730	795	1200	1340	1420
COMMUNICATION INTERFACE					
Standard	RS-232 / RS-485				
Optional	SNMP / ModBus / Dry Contact				
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000				

*Specifications are subject to change without prior notice.



Indo Powersys Pvt. Ltd.

An ISO 9001, 14001, 45001, 27001, 50001, RoHS, BIS & CE Certified

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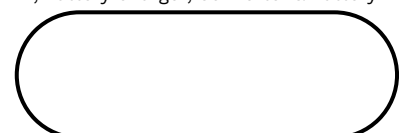
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Our Other Products:

Servo Stabilizer, DSP Sinewave Home UPS, Chemical Gel Earthing, Isolation Trx, Battery Charger, Converter & Battery



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TECHNOLOGY FOR THE NEXT MILLENNIUM