

Power

Tri Power X33 IGBT

Three Phase UPS 60 to 120kVA



- Model range available: 10 to 200kVA
- IGBT Rectifier
- Low Input THD <4%
- RS232 and dry contacts
- VFI-SS-111 according to IEC 62040-3
- High efficiency up to 95%

Tri Power X33 IGBT uses online double conversion (VFI) technology where the load is always powered by the inverter ensuring a filtered and stabilized sinusoidal voltage. The IGBT rectifier technology ensures a reduction of consumption of reactive power to minimum levels. This results in lower electricity bills and smaller genset sizes. Small footprint and light weight makes installations easier and less space is necessary. Compared to 6 or 12 pulse rectifier systems the heat dissipation is lower and the air condition size can be dimensioned smaller. This results in less CO2 production saving money and protecting our environment. The Tri Power X33 IGBT UPS can be used for any kind of load i.e. IT, Industry and Telecom.



Technical Data

Model	X33 IGBT 60	X33 IGBT 80	X33 IGBT 100	X33 IGBT 120
Power (kVA)	60	80	100	120
INPUT				
Power Factor	> 0,98			
Voltage	230/400 VAC 3phase, 4 Wire, ± 20%			
By-pass Voltage	230/400 VAC 3phase, 4 Wire, ± 20%			
Input THDI	< 4%			
Input frequency	50Hz / 60 Hz ± 5%			
EMI	EN50091-2 Class A			
OUTPUT				
Power (kW)	48	64	80	96
Power factor	0.8			
Voltage	230/400 VAC 3phase, 4 Wire, ± 1%			
Frequency	50 Hz / 60Hz			
Frequency tolerance	± 2% (line synchronized); ± 0.2% (free running)			
Efficiency	up to 95%			
Crest factor	3 : 1			
Overload protection	(100%-125% load: 10min) (125%-150% load: 1min) (>150% load: by pass)			
Short circuit protection	Electronic short circuit protection			
THD (at 100% linear load)	< 3%			
BATTERIES				
Type	Sealed Lead Acid - Maintenance Free			
Number of Batteries	2x30 batteries			
End of discharge voltage	2x300 VDC			
Ambient temperature °C	25 °C			
Battery protection	Wall mounted circuit breaker and fuse			
Typical recharge time	6 hours			
Battery test	Automatic and manual			
GENERAL				
Human interface	Text LCD panel, mimic diagram LED panel			
Communication	RS232 and Dry contacts			
Software	T-Mon UPS Management Software (3 clients standard)			
Overtemperature protection	Electronic overtemperature protection			
Temperature range	0°C - 40°C			
Protection degree	IP 20			
Humidity	90% non condensing			
Altitude	< 1000m above sea level			
Accoustic noise	< 50 dBA			
Weight w/o batteries (kg)	225	350	350	375
Dimensions HxWxD (mm):	1445x495x835		1900x780x890	
OPTIONS				
Transformer	Galvanic isolation transformer at the input & output			
Parallel operation	1+3 Systems (N+1 redundant, redundant, symetric parallel)			

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