

Power

Tri Power X33 IGBT

Three Phase UPS 160 to 200kVA



- 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.



Tri Power X33 IGBT 160 to 200kVA

Technical Data		
Model	X33 IGBT 160	X33 IGBT 200
Power (kVA)	160	200
INPUT		
Power Factor	> 0,98	
Voltage	230/400 VAC 3phase, 4 Wire, \pm 20%	
By-pass Voltage	230/400 VAC 3phase, 4 Wire, \pm 20%	
Input THDI	< 4%	
Input frequency	50Hz / 60 Hz \pm 5%	
EMI	EN50091-2 Class A	
OUTPUT		
Power (kW)	128	160
Power factor	0.8	
Voltage	230/400 VAC 3phase, 4 Wire, \pm 1%	
Frequency	50 Hz / 60Hz	
Frequency tolerance	\pm 2% (line synchronized); \pm 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 or 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	
Acoustic noise	< 50 dBA	
Weight w/o batteries (kg)	425	495
Dimensions HxWxD (mm):	1900x780x890	
OPTIONS		
Transformer	Galvanic isolation transformer at the input & output	
Parallel operation	1+3 Systems (N+1 redundant, redundant, symmetric parallel)	

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