

Power

Tri Power X33 SCR

Three Phase UPS 10 to 40kVA



- Model range available: 10 to 300kVA
- Galvanic isolation transformer at the inverter output
- Non-linear load driving capability
- RS232 and dry contacts
- Overload and short circuit protection
- Emergency stop utility

Tri Power X33 SCR uses online double conversion (VFI) technology where the load is always powered by the inverter ensuring a filtered and stabilized sinusoidal voltage manufactured with the state of the art PWM and IGBT technology. Standard features are galvanic isolation transformers at the inverter input providing highest protection against all kind of power disturbances also the possibility of 100% non-linear driving capability and dry contacts. Due to the technology this UPS can be installed in almost every ambient condition with an extreme reliability and a high MTBF value. The Tri Power X33 SCR can be used for any kind of load i.e. IT, Industry and Telecom.



Technical Data

Model	X33 SCR 10	X33 SCR 15	X33 SCR 20	X33 SCR 30	X33 SCR 40
Power (kVA)	10	15	20	30	40
INPUT					
Voltage	230/400 VAC 3phase +N; ±15%				
By-pass Voltage	230/400 VAC 3phase +N; ±10% (lower and upper limit are adjustable)				
Input frequency	50 Hz (60Hz on request), ±5%				
Max RFI	EN 50091-2 Class A				
OUTPUT					
Power (kW)	8	12	16	24	32
Power factor	0.8				
Voltage	230/400 VAC 3phase +N				
Voltage Stability	(balanced load: ± 1%) (unbalanced load: ± 2%) (step load: ± 5%)				
Voltage recovery time	after step load: within 35ms				
Frequency	50 Hz (60 Hz on request)				
Frequency tolerance	(line synchronized: ± 1%) (free running: ± 0.2%)				
Efficiency at 100% load	90 - 92%				91 - 93%
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				
Total harmonic distortion	linear load: <3% ; non linear load: <5%				
BATTERIES					
Type	Sealed Lead Acid - Maintenance Free				
Number of Batteries	30				
Float charging voltage	405 VDC				
End of discharge voltage	300 VDC				
Ambient temperature °C	25 °C				
Battery protection	Wall mounted circuit breaker and fuse				
Battery test	Automatic and manual				
GENERAL					
Serial communication	Dry contacts & RS232; RS485				
Software	T-Mon UPS Management Software				
Temperature range	0°C - 40°C				
Ventilation	Forced air cooling				
Relative humidity	< 90% non condensing				
Protection degree	IP 20				
Altitude	< 1000m above sea level				
Acoustic noise	< 56dBA				
Weight w/o batteries (kg)	235	250	266	322	484
Dimensions HxWxD (mm):	1145x485x675				1400x570x820
OPTIONS					
Input transformer	Galvanic isolation transformer at the input (in external cabinet)				
Input THD	< 10% with 12 pulse or 18 pulse rectifier; < 5% with 18 pulse rectifier + filter (up to 80kVA)				
Parallel operation	N +1 systems (hot standby, redundant, symmetric parallel)				

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