

Power

Tri Power X33 SCR

Three Phase UPS 200 to 300kVA



- 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.



Tri Power X33 SCR 200 to 300kVA

Technical Data

Model	X33 SCR 200	X33 SCR 250	X33 SCR 300
Power (kVA)	200	250	300
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)	160	200	240
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	up to 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	32	
Float charging voltage	405 VDC	432 VDC	
End of discharge voltage	300 VDC	320 VDC	
Ambient temperature °C	25 °C		
Battery protection	wall mounted circuit breaker and fuse		
Batterietest	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		
Accoustic noise	70dBA		
Weight w/o batteries (kg)	1150	1285	1416
Dimensions HxWxD (mm)	1730x1195x870	1880x1565x925	
OPTIONS			
Input transformer	Galvanic isolation transformer at the input		
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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