

# EXIMPOWER

Industrial Inverters and UPS









## TECNED OM-SERIES

## Specifications

Topology	Transformer based technology								
Rated kVA/kW ( PF 0.9 )	10/9	15/13.5	20/18	30/27	40/36	50/45	60/54	80/72	100/90
Nominal Input DC.Voltage	24/48/110(120)/220Vdc/380Vdc/640Vdc								
Nominal input range	-15% + 45%								
Max DC. Input current @ 220Vdc (incl overload)	60	90	120	180	240	300	360	480	600
Nominal Output AC. Voltage	1 Ph, 110/220/230/240 V - 3Ph,208/380/400/415/460/480V								
Output Frequency	50 or 60 Hz								
Overall efficiency	up to 95% (depending on DC bus voltage)								
Inverter Bridge	Pulse wide modulation and IGBT Technology								
Output Galvanic separation	Intergrated Isolation transformer								
Output:									
Output wave form	Sine wave								
THD-V for 100% linear load	Max 1.5%								
THD-V for 100% non linear load	Max 3%								
- static	+/-1%								
- dynamic ( at load step 0-100-0% )	+/-3%								
- dynamic ( at load step 0-50-0% )	+/-2%								
- recovery time to +/- 1%	< 20 ms								
Output frequency tolerance ( free runing )	+/-0.1%								
Over load capability	125% 10 minutes								
Crest factor	> 3:1								
Static by-pass (option)	Static transfer switch on by-pass line ( SCR Type )								
Over load on by-pass	200% for 5 minutes & 45 time In for 10 ms.								
Option	Input isolation, step down transformer in the by-pass line								
	Back-feed protection at bypass line ( IEC62040-3)								
	Industrial grade voltage stabilizer								
Audible noise level (dbA)	63						72		
Operating temperature range	0° to 40° C								
Relative Humidity	Max 95% ( non condensing )								
Protection degree	IP20 (higher IP values available on request)								
Enclosure Floor standing	Aluzinc frame / powder coat RAL 7035								
Service access	Front access only								
Standard									
EN/IEC 62040-1-1,-2	Safety								
EN/IEC 62040-2	EMC								
EN/IEC 62040-3	Performance								



