

# TECHNICAL SPECIFICATIONS

## TX230 VAC 2 kVA

### GENERAL DATA

Output power	1,8 KW
Topology	True online double conversion

### INPUT DATA

Voltage Range	Transfer voltage - low	160VAC/140VAC/120VAC/110VAC $\pm$ 5% $\circ$ 80VAC/70VAC/60VAC/55VAC $\pm$ 5% (base % load: 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)
	Return voltage low	175VAC/155VAC/135VAC/125VAC $\pm$ 5% $\circ$ 87VAC/77VAC/67VAC/62VAC $\pm$ 5%
	Transfer voltage high	300 VAC $\pm$ 5% $\circ$ 150 VAC $\pm$ 5%
	Return voltage - high	290 VAC $\pm$ 5% $\circ$ 145 VAC $\pm$ 5%
Frequency range	40Hz - 70Hz	
Power factor	$\geq$ 0.99 @ full load	
THDi	$\leq$ 5% @ 205-245VAC $\circ$ 100-130VAC THDU 1.6% @ input and full linear load with charged batteries	

### OUTPUT DATA

Voltage	200/208/220/230/240 $\circ$ 100/110/115/120/127 VAC	
AC voltage regulation	$\pm$ 1% (Battery mode)	
Frequency range (Gamma synchronism)	47 - 53Hz $\circ$ 57 - 63Hz	
Frequency range (Battery mode)	50Hz $\pm$ 0.1Hz $\circ$ 60Hz $\pm$ 0.1Hz	
Peak current value	3:1	
Harmonic distorsion	$\leq$ 2% THD linear load $\leq$ 4% THD non-linear load	
Transfer Time	AC battery mode	0ms
	Inverter to Bypass	4 ms (Typical)
	Wave shape (Battery mode)	<10ms
Wave shape (Battery mode)	Sinusoidal	

### EFFICIENCY

In AC mode	90%
In battery mode	88%

### BATTERIES

Type of battery	12V/7Ah
Quantity	6
Recharging time	4 hours per load at 90% of capacity (Typical)
Charging load	1.5 A
Load voltage	82.1 VDC $\pm$ 1%

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### MECHANICAL DATA

D x W x H	421 x 190 x 318 mm
Net weight (kg)	25.8
Color	Black

### ENVIRONMENTAL PARAMETERS

Operating temperature	0-40 °C
Relative humidity	20-95% RH @ 0-40°C (without condensation)
Noise level	< 50 dBA @ 1 meter

### INDICATORS

Status	Load level, Battery level, Battery mode, AC mode, Bypass mode, Failure
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### AUDIBLE ALARM

Battery operation mode	Beeps every 4 seconds
Low battery	Sound every 2 seconds
Overload	Sound every second
Failure	Sound every 2 seconds

### MANAGEMENT

Smart RS232 o USB	Supports Windows 2000/2003/XP/Vista/2008 ,7.8, Linux, Unix and MAC
SNMP (opcional)	Power management from SNMP manager and web browser

