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12 TECHNICAL SPECIFICATIONS

MASTERYS IP+ 60-80 kVA 3/3

Models

	60	80
Input/Output phases	3/3	3/3

Electrical specifications - Input

	60	80
Mains voltage	3P+N 400 V $\pm 20\%$ (up to -35% @ 70% of nominal load)	
Input frequency	50-60 Hz $\pm 10\%$	
Input power factor	0,99	
THDI	< 3%	

Electrical specifications - Output

	60	80
Output voltage (P+N)	230 V single phase (selectable: 208*/220/230/240 V) $\pm 1\%$	
Frequency	50-60 Hz $\pm 2\%$ (from 1% to 8% if generator is used)	
Automatic bypass	nominal output voltage $\pm 15\%$ (from 10% to 20% selectable if generator is used)	
Nominal power (kW)	48	64
Overload on mains power supply	125% 10 minutes 150% 1 minute	
Crest factor	3:1	
Voltage distortion	1% with linear load	

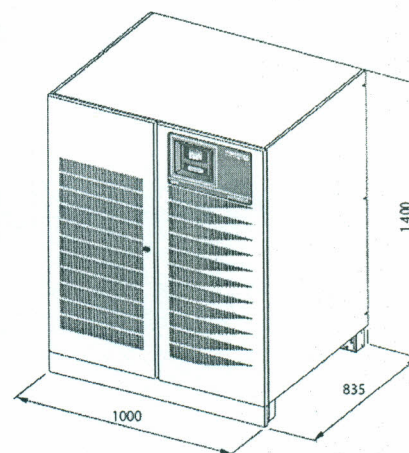
* @ Pout = 90% Pnom

Environment

	60	80
Operating temperature	0÷35 °C (15÷25 °C recommended for longer battery life)	
Storage temperature	-5÷45 °C	
Relative humidity	0÷95% condensation-free	
Max. altitude	1.000 m (3.300 ft) without derating; 3.000 m (10.000 ft) max	
Acoustic noise (dB)	< 62	< 62
Required cooling capacity (m³/h)	1810	1810
Dissipated power max (W)	6100	8100
Dissipated power (BTU/h)	20820	27640

Standards

	60	80
Safety	EN 62040-1-1, EN 60950-1	
Type and performance	EN 62040-3 (VFI-SS-111)	
EMC	EN 62040-2	
Product certification	CE	
Protection level	IP31	



Weight:

- 60 kVA: 530 kg

- 80 kVA: 600 kg

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NOMINAL POWER: 80kVA-64kW
INPUT: VAC 3PHASES+N 45-65Hz
400Vac -15%+20%
106 NOM-133A MAX

OUTPUT: VAC 3PHASES+N 50/60Hz +/- 2%
380/400/415Vac +/- 1%
121/116/111A

Maximum ambient operating temperature range for UPS: 35°C.

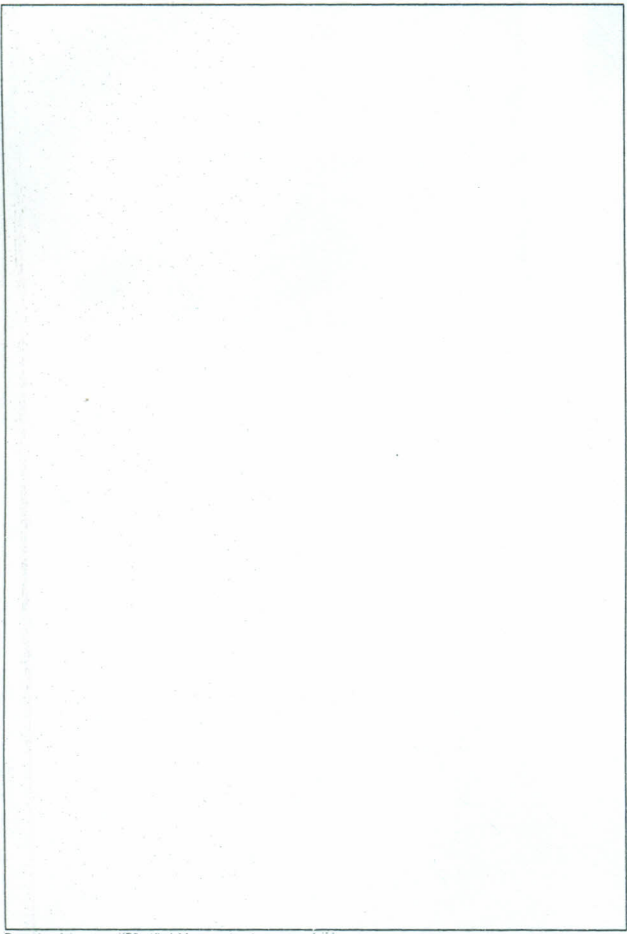
Indoor installation, degree of protection IP31.

In our case parallel configuration is required i.e., 80kVA UPS with all necessary equipment's and batteries. Parallel configuration may have composed of No.02 rectifier/battery charger 6-pulse configuration, No.02 battery, No.02 inverter 80kVA@pf=0,8 and No.01 bypass line with transformer.

High life sealed maintenance free lead acid batteries, Part NO: LP12-250 (12V, 250AH)

Battery cabinet as per Socomec standard IP42 for housing batteries (Battery cabinet to house 44X250AH Battery).

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12.04.2010	A	ZENERE C.	FIRST EMISSION	CORBETTI C.	MONTAGNA C.
Data DATE	A REV.	Elaborato ISSUED BY	Modifiche MODIFICATIONS	Verificato CHECKED BY	Approvato APPROVED BY
CLIENTE CUSTOMER CLIENT					
MASTERYS MAS2I+380T-00					
SCHEMI ELETTRICI GENERAL DRAWINGS SCHEMAS GENERALS					
3		DIS. MAS2I+380T-00		1 SEL. FOGLIO: 1	
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