

metartec
powering your future

METARTEC'S MICRO VERSI X1

A versatile UPS in tower or rack form. This model offers unity power factor and is an ideal Solution for small computer centres, servers and for industrial applications.

- **Unique feature**

The MICRO VERSI X1 is highly versatile UPS with unity power factor and can be installed as a floor standing tower UPS or in a 19-inch communications rack.

- **Design**

Metartec have designed the MICRO VERSI X1 in a convertible form design in a compact 2U frame.

- **Efficiency**

A high efficiency UPS rated at 96% in power saving ECO mode.

- **Expandability**

The MICRO VERSI X1 is scalable and can be connected with accessories to increase power availability.

- **Unlocked software**

With unlocked software, we can ensure that our customers avoid high service costs, which subsequently reduces their cost of UPS ownership.



For further details on the MICRO VERSI X1 and information on Metartec's complete range of critical power products and services can be viewed at www.metartec.com. Alternatively call us on 0845 50 40 444 or email info@metartec.com

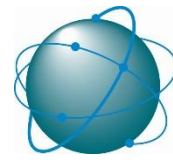




MICRO VERSI 1500 / 3000 X1		
MODEL	MICRO VERSI 1500 X1	MICRO VERSI 3000 X1
CAPACITY	1500 VA / 1500 W	3000 VA / 3000 W
Phase	Single phase with ground	
INPUT		
Voltage Range	110-300 VAC $\pm 5\%$ at 50% load or 160-300 VAC $\pm 5\%$ at 100% Load	
Nominal Voltage	200 / 208 / 220 / 230 / 240 VAC	
Frequency Range	47.5Hz ~ 52.5 Hz or 57Hz ~ 63 Hz	
Power Factor	≥ 0.99 @ Nominal Voltage (100% Load)	
Harmonic Distortion (THDi)	$\leq 5\%$ @ nominal input voltage	
OUTPUT		
Output Voltage	200 / 208 / 220 / 230 / 240 VAC	
AC Voltage Regulation (Batt. Mode)	$\pm 1\%$	
Frequency Range (Batt. Mode)	50 Hz or 60Hz ± 0.1 Hz	
Transfer Time	AC Mode to Batt. Mode	Zero
Transfer Time	Inverter to Bypass	4 ms (Typical)
Waveform (Batt. Mode)	Pure Sinewave	
Current Crest Ratio	3:1 (Max)	
Harmonic Distortion	$\leq 2\%$ THD (Linear Load)	$\leq 4\%$ THD (Non-linear Load)
Frequency Range (Synchronised Range)	47-53 Hz or 57-63 Hz	
Overload	AC and Batt Mode	100% ~ 110% 10 Min / 110% ~ 130% 1 Min / >130% 1 Sec
EFFICIENCY		
AC Mode	$\geq 89\%$ with fully charged battery	$\geq 91\%$ with fully charged battery
Battery Mode	$\geq 88\%$	$\geq 90\%$
ECO Mode	$\geq 96\%$ with fully charged battery	
BATTERY		
Typical Charging Time	3 Hours to 95% capacity for internal battery @ 2A charging current	
Charging Current	2A to 8A selectable on front LCD display	
Battery Type	12 V / 9 AH x 3	12 V / 9 AH x 6
Charging Voltage	41.1 VDC $\pm 1\%$	82.1 VDC $\pm 1\%$
INDICATORS		
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
LED Panel	UPS status, Load level, Battery level, and Fault indicators	
ALARM		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continuously sounding	
PHYSICAL		
Dimension, D X W X H (mm)	410 X 438 X 88 [2U] mm	630 X 438 X 88 [2U] mm
Net Weight (kg)	20.1	30.4
ENVIRONMENT		
Operation Humidity	20-90% RH @ 0- 40°C (non-condensing)	
Altitude	10% derating for over 1000m (Altitude should not exceed 3000m)	
Noise Level	Less than 50 dB @ 1m	
MANAGEMENT		
Smart RS-232	Supports Windows family, Novell, Linux and FreeBSD	
USB		
Optional SNMP		
Warranty	Power management from SNMP manager and web browser 2 year replacement (from delivery)	

Product specifications are subject to change without further notice
BS.DOC.081 Issue.01

		MICRO VERSI X1 LA								
		MICRO VERSI 1500 X1 STD	MICRO VERSI 3000 X1 STD	VLA 1	VLA 2	VLA 3	VLA 4	VLA 5	VLA 6	VLA 7
Autonomy Time (minutes)	100% load	2.97	2.97	17.48	33.55	50.56	68.64	87.61	107.28	127.47
	75% load	5.29	5.19	25.78	48.31	72.74	98.71	125.77	153.57	181.9
	50% load	10.27	10.1	43.08	80.19	120.53	162.75	206.07	250.08	294.56
	25% load	26.15	25.78	98.71	181.9	268.82	357.35	446.71	536.56	626.7



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- **Design**

Metartec have designed the MICRO VERSI X1 as a convertible form design in a compact 2U frame.

- **Efficiency**

A high efficiency UPS rated at 98.5% in power saving ECO mode.

- **Expandability**

The MICRO VERSI X1 is scalable and can be connected parallel, to increase power availability.

- **Unlocked software**

With unlocked software, we can ensure that our customers avoid high service costs, which subsequently reduces their cost of UPS ownership.



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MICRO VERSI 6000 / 10,000 X1			
MODEL	MICRO VERSI 6000 X1		MICRO VERSI 10,000 X1
CAPACITY	6000 VA / 6000 W		10,000 VA / 10,000 W
Phase	Single phase with ground		
INPUT			
Voltage Range	110-300 VAC \pm 3 % at 50% load or 176-300 VAC \pm 3 % at 100% Load		
Nominal Voltage	200 / 208 / 220 / 230 / 240 VAC		
Frequency Range	46Hz ~ 54Hz or 56Hz ~ 64Hz		
Power Factor	\geq 0.99 @ Nominal Voltage (100% Load)		
Harmonic Distortion (THDi)	\leq 4% @ nominal input voltage		
OUTPUT			
Output Voltage	208 / 220 / 230 / 240 VAC		
AC Voltage Regulation (Batt. Mode)	\pm 1%		
Frequency Range (Batt. Mode)	50 Hz or 60Hz \pm 0.1 Hz		
Transfer Time	AC Mode to Batt. Mode	Zero	
Transfer Time	Inverter to Bypass	Zero	
Waveform (Batt. Mode)	Pure Sinewave		
Current Crest Ratio	3:1 (Max)		
Harmonic Distortion	\leq 1 % THD (Linear Load)	\leq 4 % THD (Non-linear Load)	
Frequency Range (Synchronised Range)	47-53 Hz or 57-63 Hz		
Overload	AC Mode	100% ~110% 30 Secs / 110% ~ 130% 10 Secs / >130% 1 Sec	
	Batt Mode	100% ~110% 10 Min / 110% ~ 130% 1 Min / >130% 1 Sec	
EFFICIENCY			
AC Mode	\geq 94% with fully charged battery		\geq 94% with fully charged battery
Battery Mode	\geq 92%		\geq 92%
ECO Mode	\geq 98.5% with fully charged battery		
BATTERY			
Typical Charging Time	9 Hours to 90% capacity for internal battery		
Charging Current	4A selectable on front LCD display		
Battery Type	Depending on applications		
Charging Voltage	(13.65 VDC x battery number) \pm 1%		
INDICATORS			
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
LED Panel	UPS status, Load level, Battery level, and Fault indicators		
ALARM			
Battery Mode	Sounding every 4 seconds		
Low Battery	Sounding every second		
Overload	Sounding twice every second		
Fault	Continuously sounding		
PHYSICAL			
UPS Model	Dimension, D X W X H (mm)	610 X 438 X 88 (2U)	610 X 438 X 88 (2U)
	Net Weight (kg)	20	20
Battery Model	Dimension, D X W X H (mm)	610 X 438 X 88 (3U)	610 X 438 X 88 (3U)
	Net Weight (kg)	63	63
ENVIRONMENT			
Operation Humidity	20-90 % RH @ 0- 40°C (non-condensing)		
Altitude	10% derating for over 1000m (Altitude should not exceed 3000m)		
Noise Level	Less than 55 dB @1m	Less than 58 dB @1m	
MANAGEMENT			
Smart RS-232	Supports Windows family, Novell, Linux, MAC and FreeBSD		
USB			
Optional SNMP			
Warranty	2 year replacement (from delivery)		

Product specifications are subject to change without further notice
 BS.DOC.082 Issue.02

		MICRO VERSI X1 6kVA LA				MICRO VERSI X1 10kVA LA			
		VLA 1	VLA 2	VLA 3	VLA 4	VLA 1	VLA 2	VLA 3	VLA 4
Autonomy Time (minutes)	100% load	6.9	19.2	31.5	43.1	2.1	8.9	16.7	22.9
	75% load	10.4	25.7	43.01	65.4	4.4	13.7	22.9	34.3
	50% load	19.2	43.1	81.7	114.1	8.9	22.9	39.1	49.2
	25% load	43.1	114.1	147.2	218.3	22.9	49.2	103.2	130.3