



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



MODEL		MICRO		MICRO VERSI 3000 X1						
CAPACITY										
Phase			1500 VA / 1500 W 3000 VA / 3000 W							
INPUT		Single phase with ground								
Voltage Range		1	10 300 VAC + 5	7 at 5.09	load or 14	50 300 VA	C + 5 % c	+ 100% L	aad	
Nominal Voltage		110-300 VAC ± 5 % at 50% load or 160-300 VAC ± 5 % at 100% load 200 / 208 / 220 / 230 / 240 VAC								
Frequency Range				-	52.5 Hz or	-				
Power Factor										
Harmonic Distortion (T	HDil	≥ 0.99 @ Nominal Voltage (100% Load) ≤ 5% @ nominal input voltage								
OUTPUT	пол			20% @	, nonnarr	input voitag	se .			
Output Voltage				200 / 208	3 / 220 / 2	230 / 240	VAC			
AC Voltage Regulation	(Batt Mode)	200 / 208 / 220 / 230 / 240 VAC ± 1%								
Frequency Range (Batt										
Transfer Time	50 Hz or 60Hz ± 0.1 Hz Zero									
Transfer Time	AC Mode to Batt. Mode Inverter to Bypass				4 ms (Typ	ical)				
Waveform (Batt. Mode					Pure Sinev					
Current Crest Ratio					3:1 (Ma					
Harmonic Distortion			≦ 2 % THD (Li	ear Load		1	(Non-line	ar Load)		_
Frequency Range (Syn	chronised Rangel		= 2 /0 1110 (01		/ = 53 Hz or 5		1 Interior of	a. Loudy		
Overload	AC and Batt Mode		100% ~110%				n / >130	% 1 Sec		
EFFICIENCY	. IS and San mode						. , 2100			
AC Mode		>8<	9% with fully cha	aed batte	ry		>91% with	fully char	ged battery	_
Battery Mode			≥88%	5	/		_	>90%	,	
ECO Mode				>96% w	ith fully cho	araed batte	erv			
BATTERY				_	1		- /			
Typical Charging Time	•		3 Hours to 95%	capacity	for internal	battery @	2A charair	ng 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						x 6		
Charging Voltage		41.1 VDC ± 1% 82.1 VDC ± 1%								
INDICATORS										
LCD Panel		UPS status, L	oad level, Battery	level, Inpu	ut/Output v	oltage, Dis	charge tim	ner, and F	ault conditic	on s
LED Panel			UPS status	Load leve	el, Battery l	evel, and F	ault indice	ators		
ALARM										
Battery Mode				Sound	ding every	4 seconds				
Low Battery		Sounding every second								
Overload		Sounding twice every second								
Fault				Cor	ntinuously s	ounding				
PHYSICAL										
Dimension, D X W X H	l (mm)	410 X 438 X 88 [2U] mm					630 X 438 X 88 [2U] mm			
Net Weight (kg)		20.1 3						30.4		-
ENVIRONMENT										
Operation Humidity					@ 0- 40°C	-				
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, No	ovell, Linux	and FreeB	SD		
USB										
Optional SNMP		Power management from SNMP manager and web browser 2 year replacement (from delivery)								
Warranty				2 year re	placement	(trom deliv	very)			
ecifications are subject to ch	ange without further notice	AICRO VERSI	MICRO VERSI			MICI	NO VERSI	X1 LA		
)81 Issue.01		500 X1 STD	3000 X1 STD	VLA 1	VLA 2	VLA 3	VLA 4	VLA 5	VLA 6	V
	100% load	2.97	2.97	17.48	33.55	50.56	68.64	87.6	1 107.28	
Autonomy Time	75% load	5.29	5.19	25.78	48.31	72.74	98.71	125.72	7 153.57	
Autonomy Time										1
(minutes)	50% load	10.27	10.1	43.08	80.19	120.53	162.75	206.0	7 250.08	1

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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

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Unlocked software

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Technical Specification

	M	ICRO 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						
NPUT								
Voltage Range		110-300 VAC ± 3 % at 50% lo	ad or 176-300 VAC ± 3 % at 100% Load					
Nominal Voltage		200 / 208 / 220 / 230 / 240 VAC						
requency Range		46Hz ~ 54	4Hz or 56Hz ~ 64Hz					
Power Factor		≧ 0.99 @ Nom	inal Voltage (100% Load)					
Harmonic Distortion (TH	Di)	≤ 4% @ nominal input voltage						
OUTPUT								
Output Voltage		208 / 220 / 230 / 240 VAC						
AC Voltage Regulation (Batt. Mode)			± 1%					
requency Range (Batt.		50 Hz or 60Hz ± 0.1 Hz						
ransfer Time	AC Mode to Batt. Mode	Zero						
ransfer Time	Inverter to Bypass	Zero						
Waveform (Batt. Mode)		Pure Sinewave						
Current Crest Ratio								
Harmonic Distortion		3:1 (Max) ≦ 1 % THD (Linear Load) ≦ 4 % THD (Non-linear Load)						
Frequency Range (Synchronised Range)		47-53 Hz or 57-63 Hz						
AC Mode			0% ~ 130% 10 Secs / >130% 1 Sec					
Overload	Batt Mode	-						
FFICIENCY	Ball Mode	100% ~110% 10 Min / 110% ~ 130% 1 Min / >130% 1 Sec						
AC Mode		>04% with fully shares of hatten	>0.4% with fully sharped hatten					
		≥94% with fully charged battery ≥92%	≥94% with fully charged battery >92%					
Battery Mode CO Mode			= 1 11					
BATTERY		≥98.5% Wit	h fully charged battery					
		0.11 . 0.02/						
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) ± 1%						
NDICATORS								
.CD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault condition						
ED Panel		UPS status, Load level,	Battery level, and Fault indicators					
ALARM								
Battery Mode		Sounding every 4 seconds						
		Sounding every second						
Dverload		Sounding	twice every second					
Dverload ault		Sounding						
Dverload ault		Sounding Contir	twice every second nuously sounding					
Overload Gault PHYSICAL	Dimension, D X W X H (mm)	Sounding	twice every second					
Overload ault	Dimension, D X W X H (mm) Net Weight (kg)	Sounding Contir	twice every second nuously sounding					
Dverload Gault CHYSICAL UPS Model		Sounding Contir 610 X 438 X 88 (2U)	twice every second nuously sounding 610 X 438 X 88 (2U)					
Overload ault PHYSICAL	Net Weight (kg)	Sounding Contir 610 X 438 X 88 (2U) 20	twice every second nuously sounding 610 X 438 X 88 (2U) 20					
Dverload ault PHYSICAL UPS Model Battery Model	Net Weight (kg) Dimension, D X W X H (mm)	Sounding Contir 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U)	twice every second nuously sounding 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U)					
Dverload ault HYSICAL UPS Model Battery Model NVIRONMENT	Net Weight (kg) Dimension, D X W X H (mm)	Sounding Contir 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63	twice every second nuously sounding 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U)					
Dverload Fault HYSICAL UPS Model Battery Model NVIRONMENT Dperation Humidity	Net Weight (kg) Dimension, D X W X H (mm)	Sounding Contir 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 20-90 % RH @	twice every second nuously sounding 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63					
Dverload PHYSICAL UPS Model Battery Model ENVIRONMENT Dperation Humidity Altitude	Net Weight (kg) Dimension, D X W X H (mm)	Sounding Contir 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 20-90 % RH @	twice every second nuously sounding 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 0- 40°C (non-condensing)					
Dverload PHYSICAL UPS Model Battery Model ENVIRONMENT Dperation Humidity Altitude Noise Level	Net Weight (kg) Dimension, D X W X H (mm)	Sounding Contir 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 20-90 % RH @ 10% derating for over 1000	twice every second nuously sounding 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 0- 40°C (non-condensing) m (Altitude should not exceed 3000m)					
Dverload Fault PHYSICAL UPS Model Battery Model ENVIRONMENT Operation Humidity Altitude Noise Level MANAGEMENT	Net Weight (kg) Dimension, D X W X H (mm)	Sounding Contir 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 20-90 % RH @ 10% derating for over 1000 Less than 55 dB @1m	twice every second nuously sounding 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 0- 40°C (non-condensing) m (Altitude should not exceed 3000m) Less than 58 dB @1m					
Dverload ault PHYSICAL UPS Model Battery Model ENVIRONMENT Dperation Humidity Altitude Noise Level MANAGEMENT Smart RS-232	Net Weight (kg) Dimension, D X W X H (mm)	Sounding Contir 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 20-90 % RH @ 10% derating for over 1000 Less than 55 dB @1m	twice every second nuously sounding 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 0- 40°C (non-condensing) m (Altitude should not exceed 3000m)					
	Net Weight (kg) Dimension, D X W X H (mm)	Sounding Contir 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 20-90 % RH @ 10% derating for over 1000 Less than 55 dB @1m Supports Windows famil	twice every second nuously sounding 610 X 438 X 88 (2U) 20 610 X 438 X 88 (3U) 63 0- 40°C (non-condensing) m (Altitude should not exceed 3000m) Less than 58 dB @1m					

Product specifications are subject to change without further notice $\mathsf{BS}\mathsf{.DOC.082}$ Issue.02

ject to change without further notice				A 1 A			MICRO VERSI X1 10kVA LA			
	VLA 1	VLA 2	VLA 3	VLA 4			VLA 1	VLA 2	VLA 3	VLA 4
100% load	6.9	19.2	31.5 43.1		100% load	2.1	8.9	16.7	22.9	
75% load	10.4	25.7	43.01	65.4	Autonomy Time (minutes)	75% load	4.4	13.7	22.9	34.3
50% load	19.2	43.1	81.7	114.1		50% load	8.9	22.9	39.1	49.2
25% load	43.1	114.1	147.2	218.3		25% load	22.9	49.2	103.2	130.3
	100% load 75% load 50% load	M VLA 1 100% load 6.9 75% load 10.4 50% load 19.2	VLA 1 VLA 2 100% load 6.9 19.2 75% load 10.4 25.7 50% load 19.2 43.1	MICRO VERSI X1 6kV VLA 1 VLA 2 VLA 3 100% load 6.9 19.2 31.5 75% load 10.4 25.7 43.01 50% load 19.2 43.1 81.7	VLA 1 VLA 2 VLA 3 VLA 4 100% load 6.9 19.2 31.5 43.1 75% load 10.4 25.7 43.01 65.4 50% load 19.2 43.1 81.7 114.1	MICRO VERSI X1 6kVA LA VLA 1 VLA 2 VLA 3 VLA 4 100% load 6.9 19.2 31.5 43.1 75% load 10.4 25.7 43.01 65.4 50% load 19.2 43.1 81.7 114.1	MICRO VERSI X1 6kVA LA VLA 1 VLA 2 VLA 3 VLA 4 100% load 6.9 19.2 31.5 43.1 75% load 10.4 25.7 43.01 65.4 50% load 19.2 43.1 81.7 114.1	MICRO VERSIX1 6kVA LA Mill VLA 1 VLA 2 VLA 3 VLA 4 100% load 6.9 19.2 31.5 43.1 75% load 10.4 25.7 43.01 65.4 50% load 19.2 43.1 1114.1	VIA 1 VIA 2 VIA 3 VIA 4 100% load 6.9 19.2 31.5 43.1 75% load 10.4 25.7 43.01 65.4 50% load 19.2 43.1 81.7 114.1	VIA 1 VIA 2 VIA 3 VIA 4 100% load 6.9 19.2 31.5 43.1 75% load 10.4 25.7 43.01 65.4 50% load 19.2 43.1 81.7 114.1

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