



Professional On-Line & Line-Interactive UPS Solutions True Double Conversion 1.0kVA - 210kVA

Output Power Factor 0.9 - Rack/Tower 2 in 1 Design - LCD Display - Perfect Battery Pack

Custos Series High-Level Online UPS

1.0 kVA – Output Power Factor 0.9

Rack/Tower 2 in 1 Design - LCD Display - Single phase - With Batter Bank Solution

Ideal for medium-density power protection demand, Custos series provides Rack/Tower form factor to fit diverse environment. Despite its compact footprint, this UPS incorporates internal battery packs which can be accessed via the front panel for maintenance checks and replacement without removing the UPS from its rack mounting. The LCD display panel can be easily shifted by pressing buttons to suit the installation format, vertically stand or flatly rack mount. Besides, IT personnel can manage equipment well from learning remaining backup time information via LCD display.

Features & Advantages

- True Double-Conversion
- Output power factor 0.9
- Rack/Tower 2 in 1 Design
- Easy-Shift LCD display
- Professional battery box can be used as a rack and also as a tower
- Battery Brand name: Yuasa
- ECO and advanced ECO mode for energy saving.
- Output voltage regulation < 1%
- Higher output crest ratio perfect for generator and compressor
- Programmable power management outlets
- Emergency power off function (EPO)
- Hot swappable battery design
- Warranty: UPS 3 years, Battery Pack 2 years
- Replacement in advance in service case
- Warranty Extension and Express Service are available



Custos 1 kVA with Battery Bank



Custos 1 kVA Rack



1.0 kVA rear view



Battery Pack rear view

Battery Bank for Custos Series 1 kVA UPS



BB-24/18-RT (380 x 438 x 88 mm 2U)

Battery Box	Battery Type	Batteries
BB-24/18-RT	12V / 9Ah	4 pcs

Backup Time : Please see the following Backup Time Table
RT: Suitable for Custos Rack & Tower UPS 2 in 1 Design

Backup Time Table for Custos Series 2.0 - 3.0 kVA UPS

UPS Type	Battery	Backup Time	Backup Time (in min.)		
			100%	75%	50%
CU-1101RS 1.0 kVA	UPS with internal batteries + 1xBB-24/18RT (4 x 9Ah Batteries) + 2xBB-24/18RT (8 x 9Ah Batteries) + 4xBB-24/18RT (16 x 9Ah Batteries)	Backup Time	5:06	7:36	14:00
		Backup Time	16:30	25:12	42:48
		Backup Time	28:12	41:00	79:00
		Backup Time	51:36	77:42	132:00

P	Model	kVA	Form	Datasheet	Brochure	Manual	SNMP Card	Price Info
1	CU-1102-RS	1.0 kVA	Rack	PDF	PDF	PDF	Go to SNMP	Pricelist

Specification

Model	CU-1101RS/TS
Phase	Single Phase with ground
Capacity	1.0 kVA / 900W

Input

Voltage Range	55-150 VAC ± 5% or 110-300 VAC ± 5%
Frequency Range	40Hz ~ 70Hz
Power Factor	≥ 0.99 @ Nominal Voltage (100% Last)

Output

Output Voltage	110/115/120/127 VAC or 208/220/230/240VAC
Voltage Regulation	± 1%
Frequency range (Synchronized Range)	47Hz ~ 53Hz or 57Hz ~ 63Hz
Frequency Range (Batt. Mode)	50Hz ± 0.2Hz or 60Hz ± 0.2Hz
Current Crest Ratio	5:1 (max.)
Harmonic Distortion	≤ 2% THD (Linear Last) ; ≤ 8% THD (Non-linear Last)
Transfer Time	Zero
Bypass to Inverter	Zero
Inverter to Bypass	4ms (typical)
Waveform (Batt. Mode)	Pure Sinewave

Efficiency

AC Line Mode	88%
Battery Mode	85%

Battery

Long-Run	Battery Type / Numbers	NPW45-12 (2 pcs)
Model	Charging Current	1.0 A
	Float Charging Voltage	27,4 VDC ± 1%

Indicators

LCD Display	Last Level, Battery level, AC Mode, Battery Mode, Bypass Mode and Fault Indicator
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Alarm

Battery Mode	Sounding every 4 seconds
Low Battery	Sounding every second
OverLast	Sounding twice every second
Fault	Continuously sounding

AC Input & Output Connectors

AC Input Connector	1 x IEC 320 C20
AC Output Connector	8 x IEC 320 C13

Standards

IEC 62040-1 (Safety)	YES
IEC 62040-2 (EMC)	YES
CE	YES

Physical dimensions

Long-Run	Dimension (mm)	380 (D) x 438 (W) x 88 (H)
Model	Net Weight (kgs)	12,9

Environment

Humidity	20-90% RH @ 0-40°C (non-condensing)
Noise Level	Less tahn 50dBa @ 1 Meter

Management

Smart RS-232 / USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC
Optional SNMP	Power management from SNMP manager and web browser

**Product specifications are subject to change without further notice.*