

Professional On-Line & Line-Interactive UPS Solutions True Double Conversion 1.0kVA - 20kVA & 30kVA - 800kVA

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

Custos Series High-Level Online UPS

2.0 kVA / 3.0 kVA - Output Power Factor 0.9 - Adjustable Charging Current Rack/Tower 2 in 1 Design - LCD Display - Single phase - With Batter Pack Solution

Ideal for medium-density power protection demand, Custos 9X+ 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
- Custos Series works only with external battery pack and offers more current for charging. The charging current is adjustable. (1/2/4/8 A)
- . ECO and advanced ECO mode for energy saving.
- Output voltage regulation < 1%
- . Higher output crest radio perfect for generator and compressor
- Programmable power management outlets
- Emergency power off function (EPO)
- Hot swappable battery design
- Reduce your cost and saving up to 250,00 € per UPS solution
- Warranty: UPS 3 years, Battery Pack 2 years
- · Replacement in advance in service case
- Warranty Extension and Express Service are available





Custos 2/3 kVA Rack



2.0 kVA rear view



3.0 kVA rear view



Battery Pack rear view

Battery Bank for Custos Series 2.0 - 3.0 kVA UPS



BB-48/X-RT (480 x 438 x 88 mm 2U) **BB-72/X-RT** (600 x 438 x 88 mm 2U)

Battery Box	Battery Type	Batteries	Backup Time 100% Load (Min)
BB-48/X-RT	12V / 9Ah	4 or 8 pcs	4.5 or 10.0 Min (2.0 kVA UPS)
BB-72/X-RT	12V / 9Ah	6 or 8 pcs	5.0 or 10 Min (3.0 kVA UPS)

BB-48/X-RT : Suitable for Custos series 2.0 kVA UPS, Battery Pack Voltage :48 V BB-72/X-RT : Suitable for Custos series 3.0 kVA UPS, Battery Pack Voltage :72 V

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 Backup Time with Load (Min) **UPS Type Battery Box** 75% 50% + 1xBB-48/9RT (4 x 9Ah Batteries) **Backup Time** 4,5 12.8 7,2 CU-1102RL + 1xBB-48/18RT (8 x 9Ah Batteries) 10 17 27 59 **Backup Time** Rack 2.0 kVA + 2xBB-48/18RT (16 x 9Ah Batteries) **Backup Time** 22 37 56 120 CU-1102TL 84 + 3xBB-48/18RT (24 x 9Ah Batteries) 33 56 181 **Backup Time** Tower 2.0 kVA + 4xBB-48/18RT (32 x 9Ah Batteries) **Backup Time** 44 75 112 241 **UPS Type Battery Box** 100% 25% + 1xBB-72/9RT (6 x 9Ah Batteries) **Backup Time** 8.3 12.5 30 5 CU-1103RL 64 + 1xBB-72/18RT (12 x 9Ah Batteries) 10 18 27 **Backup Time** Rack 3.0 kVA 130 + 2xBB-72/18RT (24 x 9Ah Batteries) **Backup Time** 23 38 56 CU-1103TL + 3xBB-72/18RT (36 x 9Ah Batteries) **Backup Time** 35 57 85 196 Tower 3.0 kVA + 4xBB-72/18RT (48 x 9Ah Batteries) **Backup Time** 46 76 113 261

Р	Model	kVA	Form	Datasheet	Brochure	Manual	SNMP Card	Price Info
1	CU-1102-RL	2.0 kVA	Rack	PDF	PDF	PDF	Go to SNMP	Pricelist
2	CU-1102-TL	2.0 kVA	Tower					
3	CU-1103-RL	3.0 kVA	Rack					
4	CU-1103-TL	3.0 kVA	Tower					

Specification				
Model	CU-1102RL/TL	CU-1103RL/TL		
Phase	Sinç	Single Phase with ground		
Capacity	2.0 kVA / 1.8kW	3.0 kVA / 2.7kW		

Input

Voltage Range 55-150 VAC ± 5% or 110-300 VAC ± 5%

Frequency Range 40Hz ~ 70Hz

Power Factor ≥ 0.99 @ Nominal Voltage (100% Load)

Output

Output Voltage 110/115/120/127 VAC or 208/220/230/240VAC

Voltage Regulation ± 1%

Frequency range 47Hz ~ 53Hz or 57Hz ~ 63Hz

(Synchronized Range)

Frequency Range

(Batt. Mode) 50Hz ± 0.2Hz or 60Hz ± 0.2Hz

Current Crest Ratio 5:1 (max.)

Harmonic Distortion \leq 2% THD (Linear Load) ; \leq 8% THD (Non-linear Load)

TransferBypass to InverterZeroTimeInverter to Bypass4ms (typical)Waveform (Batt. Mode)Pure Sinewave

Efficiency

AC Line Mode 88% Battery Mode 85%

Battery

Battery Type / Depending on the capacity of external batteries

Long-Run Charging Current 4.0 A or 8.0 A

Model (max.) Lefault: 4.0 A if 8.0 ADefault: 4.0 A if 8.0 A

Float Charging Voltage $54.7 \text{ VDC} \pm 1\%$ 82.1 VDC $\pm 1\%$ 82.1 VDC $\pm 1\%$

Indicators

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

Alarm

 Battery Mode
 Sounding every 4 seconds

 Low Battery
 Sounding every second

 Overload
 Sounding twice every second

 Fault
 Continously sounding

AC Input & Output Connectors

AC Input Connector 1 x IEC 320 C20 1 x IEC 320 C20

AC Output Connector 8 x IEC 320 C13 1 x IEC 320 C19 / 6 x IEC 320 C13

Standards

 IEC 62040-1 (Safety)
 YES

 IEC 62040-2 (EMC)
 YES

 CE
 YES

Physical dimensions

Long-Run Dimension (mm) 480 (D) x 438 (W) x 88 (H) 600 (D) x 438 (W) x 88 (H)

Model Net Weight (kgs) 11,3 13,8

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.