



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

6.0 kVA / 10.0 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 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 ratio 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



6.0 / 10.0 kVA Tower with Battery Bank



6.0 / 10.0 kVA Rack



6.0 / 10.0 kVA rear view



Battery Pack rear view

Battery Bank for Custos Series 6.0 - 10.0 kVA UPS



BB-240/9RT (580 x 438 x 133 mm 3U)



BB-240/18T (592 x 250 x 576) Tower
BB-240/27T (830 x 250 x 576) Tower

Battery Box	Battery Type	Batteries	Backup Time 100% Load (Min)
BB-240/9RT	12V / 9Ah	20 pcs	8.0 Min (6.0 kVA UPS)
BB-240/9RT	12V / 9Ah	20 pcs	3.0 Min (10.0 kVA UPS)

BB-240/9RT : Suitable for Custos series 6.0/10.0 kVA UPS

Battery Bank Voltage : 240V

Backup Time: Please see the following Backup Time Table

RT: Suitable for Custos 6/10 kVA Rack & Tower UPS, 2 in 1 Design

Battery Box	Battery Type	Batteries	Backup Time 100% Load (Min)
BB-240/18T	12V / 9Ah	40 pcs	37.0 Min (6.0 kVA UPS)
BB-240/18T	12V / 9Ah	40 pcs	13.0 Min (10.0 kVA UPS)
BB-240/27T	12V / 9Ah	60 pcs	49.0 Min (6.0 kVA UPS)
BB-240/27T	12V / 9Ah	60 pcs	33.0 Min (10.0 kVA UPS)

BB-240/18T : Suitable for Custos series 6.0/10.0 kVA and Proline TW series UPS

BB-240/27T : Suitable for Custos series 6.0/10.0 kVA and Proline TW series UPS

Battery Bank Voltage : 240V

Backup Time: Please see the following Backup Time Table

Backup Time Table for Custos Series 6.0 - 10.0 kVA UPS

UPS Type

Battery Box

Backup Time with Load (Min)

100% 75%

UPS Type	Battery Box	Backup Time	100%	75%
CU-1106RL Rack 6.0 kVA	+ 1xBB-240/9RT (20 x 9Ah Batteries)	Backup Time	8	19
	+ 2xBB-240/9RT (40 x 9Ah Batteries)	Backup Time	37	46
	+ 1xBB-240/27T (60 x 9Ah Batteries)	Backup Time	49	56
	+ 20 x 17Ah Batteries	Backup Time	25	40
CU-1106TL Tower 6.0 kVA	+ 20 x 26Ah Batteries	Backup Time	44	61
	+ 20 x 40Ah Batteries	Backup Time	80	111
	+ 20 x 65Ah Batteries	Backup Time	130	178
	+ 20 x 100Ah Batteries	Backup Time	185	263
CU-1110RL Rack 10.0 kVA	+ 1xBB-240/9RT (20 x 9Ah Batteries)	Backup Time	3	6
	+ 2xBB-240/9RT (40 x 9Ah Batteries)	Backup Time	13	28
	+ 1xBB-240/27T (60 x 9Ah Batteries)	Backup Time	33	43
	+ 20 x 17Ah Batteries	Backup Time	9	16
CU-1110TL Tower 10.0 kVA	+ 20 x 26Ah Batteries	Backup Time	20	29
	+ 20 x 40Ah Batteries	Backup Time	38	56
	+ 20 x 65Ah Batteries	Backup Time	70	104
	+ 20 x 100Ah Batteries	Backup Time	104	144

P	Model	kVA	Form	Datasheet	Brochure	Manual	SNMP Card	Price Info
1	CU-1106-RL	6.0 kVA	Rack					
2	CU-1106-TL	6.0 kVA	Tower	PDF	PDF	PDF	Go to SNMP	Pricelist
3	CU-1110-RL	10.0 kVA	Rack					
4	CU-1110-TL	10.0 kVA	Tower					

Specification		
Model	CU-1106RL/TL	CU-1110RL/TL
Phase	Single Phase with ground	
Capacity	6.0 kVA / 5.4 kW	10.0 kVA / 9.0 kW

Input	
Voltage Range	176-300 VAC at 100% load 110-300 VAC at 75% load
Frequency Range	46Hz - 54Hz or 56Hz - 64Hz
Power Factor	≥ 0.99 @ Nominal Voltage (100% Load)

Output	
Output Voltage	200/208/220/230/240 VAC
Voltage Regulation	± 1%
Frequency range (Synchronized Range)	46Hz - 54Hz or 56Hz - 64Hz
Frequency Range (Batt. Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz
Current Crest Ratio	3:1 (max.)
Harmonic Distortion	≤ 2% THD (Linear Load) ; ≤ 8% THD (Non-linear Load)
Transfer Time	Zero
Line mode to Bat. mode	Zero
Bat. mode to Line mode	Zero
Bypass to Inverter	Zero
Inverter to Bypass	Zero
Waveform (Batt. Mode)	Pure Sinewave

Efficiency	
AC Line Mode	90%
Battery Mode	88%
ECO Mode	96%

Battery	
Long-Run Model	Battery Type / Numbers Battery Pack Voltage: 240 V Nukbers depending on the capacity of external batteries
Charging Current (max.)	4.0 A
Charging Voltage	273 VDC

Indicators	
LCD Display	UPS Status, Load Level, Battery level, Input/Output Voltage, Discharge Timer and Fault conditions

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

AC Input & Output Connectors		
AC Input Connector	Terminal	Terminal
AC Output Connector	Terminal	Terminal

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

CE YES

Physical dimensions

Long-Run Model	Dimension (mm) Net Weight (kgs)	580 (D) x 438 (W) x 133 (H) (3U) 17	6680 (D) x 438 (W) x 133 (H) (3U) 20
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Environment

Humidity	0-95% RH @ 0-40°C (non-condensing)
Noise Level	Less than 58dBa @ 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.*

If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.