



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

Eufo Series Line Interactive UPS

1.1 kVA/2.0 kVA/3.0 kVA – Rack/Tower 2 in 1 Design
LCD Display / Single phase - Batter Pack Solution / Pure Sinwave

Rating from 1.1 kVA to 3.0 kVA, Eufo series provides server-grade full power protection from power failure, spikes and surge in small footprint with enhanced output power factor 0.8. Combining flexible rack/tower form factor and easy-shift LCD panel design, this series is perfect for networking, telecom, server and mission-critical applications

Features & Advantages

- Pure sine wave output
- Output power factor 0.8
- User-friendly and easy-shift LCD design
- Rack/Tower 2 in 1 design
- Microprocessor-based line interactive design
- Built-in boost and buck AVR
- Programmable power management outlets
- ECO operation for energy saving (Efficiency Corrective Optimizer)
- With internal battery, but works with additional external battery pack too.
- Emergency power off function (EPO)
- Hot-swappable battery design
- Multiple communication available
- 3 years warranty for UPS, 2 years warranty for battery pack.
- Replacement in advance in service case.
- Warranty Extension & Express Service as optional.



Eufo 1.1/2/3 kVA with Battery Bank



Eufo 1.1/2/3 kVA Rack



1.1 kVA rear view



2.0 kVA rear view



3.0 kVA rear view



Battery Pack rear view

Battery Box/Pack for Eufo Series 1.1 - 3.0 kVA UPS



BB-24/18RT (380 x 438 x 88 mm 2U)
BB-48/18RT (480 x 438 x 88 mm 2U)
BB-72/18RT (600 x 438 x 88 mm 2U)

Battery Box	Capacity	Batteries	Backup Time 100% Last (Min)
BB-24/18RT	24V / 18Ah	4 pcs	25 Min (1.1 kVA UPS)
BB-48/18RT	48V / 18Ah	8 pcs	10 Min (2.0 kVA UPS)
BB-72/18RT	72V / 18Ah	12 pcs	10 Min (3.0 kVA UPS)

BB-24/18RT : Suitable for Eufo series 1.1 kVA UPS, Battery Pack Voltage :24 V
BB-48/18RT : Suitable for Eufo series 2.0 kVA UPS, Battery Pack Voltage :48 V
BB-72/18RT : Suitable for Eufo series 3.0 kVA UPS, Battery Pack Voltage :72 V
Backup Time : Please see the following Backup Time Table
RT : Suitable for Custos 9X+ Rack & Tower UPS, 2 in 1 Design

Backup Time Table for Eufo Series 1.1 - 3.0 kVA UPS

UPS Type	Battery Box	Backup Time	Backup Time with Last (Min)				
			100%	75%	50%	25%	
EU-1101RS Rack 1.1 kVA	+ 1xBB-24/18RT (4 x 9Ah Batteries)	Backup Time	25	36	57	112	
	+ 2xBB-24/18RT (8 x 9Ah Batteries)	Backup Time	60	86	139	257	
	EU-1101TS Tower 1.1 kVA	+ 3xBB-24/18RT (12 x 9Ah Batteries)	Backup Time	98	152	221	358
		+ 4xBB-24/18RT (16 x 9Ah Batteries)	Backup Time	153	218	280	512
EU-1102RS Rack 2.0 kVA	+ 1x48/18RT (8 x 9Ah Batteries)	Backup Time	10	17	28	60	
	+ 2x48/18RT (16 x 9Ah Batteries)	Backup Time	26	40	62	130	
	EU-1102TS Tower 2.0 kVA	+ 3x48/18RT (24 x 9Ah Batteries)	Backup Time	44	60	100	230
		+ 4x48/18RT (32 x 9Ah Batteries)	Backup Time	69	94	163	288
EU-1103RS Rack 3.0 kVA	+ 1xBB-72/18RT (12 x 9Ah Batteries)	Backup Time	10	17	28	58	
	+ 2xBB-72/18RT (24 x 9Ah Batteries)	Backup Time	26	41	66	131	
	EU-1103TS Tower 3.0 kVA	+ 3xBB-72/18RT (36 x 9Ah Batteries)	Backup Time	43	62	107	225
		+ 4xBB-72/18RT (48 x 9Ah Batteries)	Backup Time	68	92	167	270

P	Model	kVA	Form	Datasheet	Brochure	Manual	SNMP Card	Price Info
1	EU-1101-RS	1.1 kVA	Rack					
2	EU-1101-TS	1.1 kVA	Tower					
3	EU-1102-RS	2.0 kVA	Rack	PDF	PDF	PDF	Go to SNMP	Pricelist
4	EU-1102-TS	2.0 kVA	Tower					
5	EU-1103-RS	3.0 kVA	Rack					
6	EU-1103-TS	3.0 kVA	Tower					

Specification				
Model	EU-1101RS/TS	EU-1102RS/TS	EU-1103RS/TS	
Phase		Single Phase with ground		
Capacity	1.1 kVA / 0.88kW	2.0 kVA / 1.6kW	3.0 kVA / 2.4kW	
Input				
Voltage Range	110/120 VAC or 208/220/230/240 VAC			
Acceptable Voltage Range	81 - 145VAV or 162-290 VAC			
Frequency Range	50Hz/60Hz (auto sensing)			
Output				
Output Voltage	110/120 VAC or 208/220/230/240VAC			
Voltage Regulation	± 3% (before Battery Alarm)			
Frequency range (Batt. Mode)	50 Hz ± 0.2 Hz or 60 Hz ± 0.2 Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	8% max @ 100% linear Last ; 15% max @ non linear mode			
Transfer Time	2-6ms (typical), 10ms max.			
Waveform (Batt. Mode)	Pure Sinewave			
Efficiency				
AC Line Mode	88%			
Boost/Buck Mode	90%			
Battery Mode	85%			
Battery				
Standard Model	Battery Type	24 V	48 V	72 V
	Numbers	2	4	6
	Typical Recharge Time	4 hours recover to 90% capacity		
	Charging Current (max.)	1.0 A		
	Float Charging Voltage	27,4 VDC ± 1%	54,6 VDC ± 1%	82,1 VDC ± 1%
Long-Run Model	Battery Type	24 V	48 V	72 V
	Numbers	Depending on the capacity of external batteries		
	Typical Recharge Time	Depending on the capacity of external batteries		
	Charging Current (max.)	4.0 A or 8.0 A		
	Float Charging Voltage	27,4 VDC ± 1%	54,8 VDC ± 1%	82,1 VDC ± 1%
Indicators				
LCD Display	Last Level, Battery level, AC Mode, Battery Mode, Input Voltage, Output Voltage, Low Battery, OverLast and Fault Indicator			
Alarm				
Battery Mode	Sounding every 10 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 C14	1 x IEC 320 C14	1 x IEC 320 C20	
AC Output Connector	8 x IEC 320 C13	8 x IEC 320 C13	6 x IEC 320 C13 / 1 x IEC C19	
Standards				
IEC 62040-1 (Safety)	YES			
IEC 62040-2 (EMC)	YES			
CE	YES			
Physical dimensions				
Standard Model	Dimension (mm)	380 (D) x 438 (W) x 88 (H)	480 (D) x 438 (W) x 88 (H)	
Net Weight (kgs)		14,23	23,1	
Long-Run Model	Dimension (mm)	380 (D) x 438 (W) x 88 (H)	480 (D) x 438 (W) x 88 (H)	
Net Weight (kgs)		10,8	14,0	
			18,0	
Environment				
Humidity	20-90% RH @ 0-40°C (non-condensing)			
Noise Level	Less tahn 45dBa @ 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			
<i>*Product specifications are subject to change without further notice.</i>				