Pampero Series

Online Double Conversion Technology

1 and 3 KVA - single phase

SOHO

DATA CENTRE

E-MEDICAL

INDUSTRY

TRANSPORT

EMERGENCY

1 YEAR WARRANTY

The one of a kind UPS, reliable and tough enclosure.

The uninterruptible power supply Pampero is built on the technology of double conversion on-line. The Pampero UPS has an improved power factor that reaches 0.9, which makes it more efficient to use it to provide uninterrupted power to critical loads.

It is possible to change the charging parameters of the charger with the display of these parameters on the LCD. In addition to changing these parameters, you can change the output voltage on the UPS in the range of 200-240V with a change step of 10V.

ONLINE DOUBLE CONVERSION TECHNOLOGY

1:1 MONO-MONO

USB PLUG

RJ-45 PLUG

INPUT PLUG C14

P&P PLUG AND PLAY

LCD SCREEN

REMOTE CONTROL SOFTWARE

Standards

- Standards (EMC Emissions): IEC/EN62040-2, IEC61000-4-2, IEC 61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8
- Safety conformance: IEC/EN62040-1, IEC/EN60950-1
- Agency marking: CE

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A reliable solution to fulfill to all your needs

1 1Phase In/1Phase Out UPS

Single phase UPS system for server, network, VoIP and telecommunication applications.

It is 1-Phase In/ 1Phase Out high-density UPS system, of which input current is kept in balance.

No unbalance problem might occur. And also support for three phase input.

2 Over/Under Voltage protection

The UPS consists of a voltage protection circuit which is designed to develop a low-voltage and high-voltage tripping mechanism to protect a load from any damage.

3 Compatibility with generators

Pampero series support input power with various generators.

4 UPS monitoring & Automatic shutdown software

The software is compatible with Novell Netware, Windows 2000/XP/Vista/7, Windows server 2003/2008/2012, Linux, FreeBSD and Mac.

Support SEC Protocol & USB Interface.

5 Intelligent port slots

The use of the SNMP agent and relay cards makes it easier in management features such as:

- Setting up and programming extinctions etc..

6 Battery Cabinets (Optional)

This series UPS can be upgraded with a battery cabinet which is built in a tough enclosure.

It is reliable, lightweight and has compact energy storage.

7 Smart charging method

The series UPS adopts advanced three-stage charging method:

1st stage: High current constant current charging to guarantee to charge back to 90%.

2nd stage: Constant VItage in order to vitalize battery and make sure batteries are fully charged.

3rd stage: Floating mode, with this 3-stage charging method, it extends the life of the batteries and guarantees fast charging.

8 Emergency Power Off (EPO)

The Emergency Power Off (EPO) button, also called an EPO switch or EPO panel, is a safety measure for quickly disconnecting electrical power to a particular piece of equipment, or to an entire facility, in the event of an emergency.

9 Low priority load disconnect function

The load disconnects from one source, then pauses in an “off” position before connecting to the alternate source to protect from power surges.

10 Eco mode operation

Pampero series ups has eco mode operation for energy saving.

In eco mode the UPS inverter operates in a “standby” mode. In principle, this is a simple change in the control software of the UPS

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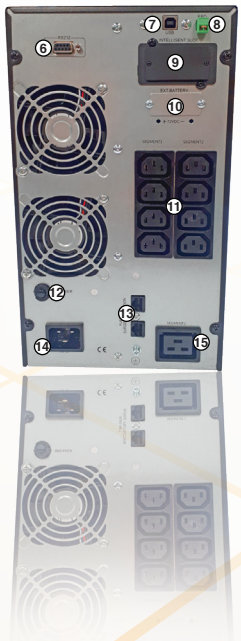
Pampero 1 KVA

1. Power ON button
2. Power OFF button
3. Function button
4. LCD screen
5. Removable grill
6. RS232 port
7. Port intelligent slots

8. USB port
9. Emergengy power off (EPO)
10. External battery port
11. C13 connector
12. Breaker reset button
13. RJ-45 port
14. Input plug C14

Pampero 3 KVA

1. Power ON button
2. Power OFF button
3. Function button
4. LCD screen
5. Removable grill
6. RS232 port
7. USB port



8. Emergengy power off (EPO)
9. Port intelligent slots
10. External battery port
11. C13 connector
12. Breaker reset button
13. RJ-45 port
14. Input plug C20
15. C19 connector

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Specifications

DESCRIPTION		PAMPERO 1 KVA	PAMPERO 3 KVA
Capacity		1000 VA / 1000 W POOIP2101	3000 VA / 3000 W POOIP2102
INPUT			
Nominal voltage		200/208/220/ 230/ 240 Vac	
Operating voltage range	Low voltage of transferring to bypass	160Vac ± 5% at 100% -80% load 140Vac ± 5% at 80% -70% load 120Vac ± 5% at load 70% -60% 110Vc ± 5% at 60% -0% load (ambient temperature <35°C)	
	Low threshold voltage of recovering from bypass	175Vac ± 5% at 100% -80% load 155Vac ± 5% at 80% -70% load 135Vac ± 5% at load 70% -60% 125Vc ± 5% at 60% -0% load (ambient temperature <35°C)	
	High voltage of transferring to bypass	300Vac ± 5%	
	High threshold voltage of recovering from bypass	290Vac ± 5%	
Input voltage range		55 ~ 150Vac or 110 ~ 300Vac @ 60% load, 80 ~ 145Vac or 160 ~ 300Vac @ 100% load	
Operating frequency range		40 ~ 70Hz	
Power factor		0.99	
Generator input		Supported	
OUTPUT			
Output voltage		200/208/220/ 230/ 240 Vac	
Power factor		1.0	
Voltage Regulation		±1%	
Frequency (Online mode)		47 ~ 53Hz or 57 ~ 63Hz	
Frequency (Battery mode)		50/ 60 (±0.1) Hz	
Crest factor		3:1	
Total Harmonic Distortion (THD)		≤ 2% (Linear mode) / ≤ 4% (Non linear mode)	
Wave form		Pure Sinewave	
Transfer time (batt. mode)		Zero	
Transfer time (bypass)		4ms (Typical)	
EFFICIENCY			
AC mode		88%	92%
Battery mode		85% / 86%	89% / 90%
BATTERY			
Battery type		12V9Ah	12V9Ah
Numbers		2	6
Backup time		Long run unit depends on the capacity of external batteries	
Typical recharge time		4 hours (90% of full capacity)	
SYSTEM FEATURES			
Line mode battery mode	ambient temp. <35°C	105% ~ 110%: UPS transfer to bypass after 10 minutes when the utility is normal 110% ~ 130%: UPS transfer to bypass after 1 minute when the utility is normal 130% ~ 110%: UPS transfer to bypass after 5 secondes when the utility is normal >150%: UPS transfer to bypass immediately when the utility is normal	
	35°C < ambient Temp. <40°C	105% ~ 110%: UPS transfer to bypass after 1 minute when the utility is normal 110% ~ 130%: UPS transfer to bypass after 5 secondes when the utility is normal 130% ~ 110%: UPS transfer to bypass immediately when the utility is normal	
Short circuit		Hold whole system	
Overheat		Line mode: switch to bypass – Backup mode: shut down UPS immediately	
Low battery voltage		Alarm and switch OFF	
EPO (Optional)		Shut down UPS immediately	
Audible & visual alarms		Line failure, battery low, overload, system fault	
Communication interface		USB, RS232, SNMP card (optional), Relay card (optional)	
ENVIRONMENT			
Operating temperature		0 - 4 0 °C	
Storage temperature		-25 °C – 55 °C	
Humidity range		20 ~ 90% RH @ 0 ~ 40°C (non condensing)	
Altitude		<1500m	
Noise level		Less than 50 dBA at 1 meter	
PHYSICAL			
Dimension (W x H x D) mm		144 x 209 x 293	
Net weight (kg)		9.8	
STANDARDS			
Safety		IEC/EN62040-1, IEC/EN60950-1	
EMC		IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, EC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8	

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- Uninterruptible Power Supply (UPS)
- Automatic Voltage Regulator (AVR)
- Isolating Transformers Maintenance free
- 12VDC VRLA batteries manufacturer
- Distributor, installer & service provider

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