

Single phase UPS

1ph from 450 VA to 10kVA



Applications

- Home Office
- Computers and peripherals
- Networks and servers
- Small and medium data centers

Highlights

- User-friendly and Plug and Play
- Compact and noiseless
- Intuitive LCD display
- Rack/Tower convertible design
- Parallel redundant configuration



GALILEO

1ph from 1000 to 3000 VA

On-line UPS
for networks and servers



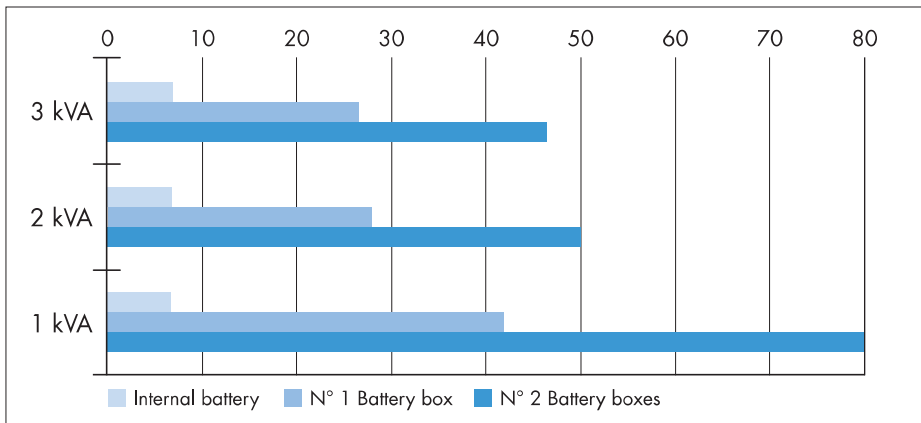
Features and benefits

- On-line double conversion UPS from 1000 to 3000 VA, Tower and 2U Rack/Tower from three to six output receptacles (IEC 320-C13) and one or two Schuko.
- Rack/Tower convertible design to protect your investment when migrating from tower to rack-mount environment. Both UPS and display panel can be rotated.
- Easy installation and set up, user-replaceable and upgradable battery.
- Intuitive LCD display providing easy-to-read UPS status and power information.
- Audible alarm alerts upon utility power and UPS status change.
- Smart cooling system ensuring further energy savings.
- Programmable switched outlet group for setting load priorities.

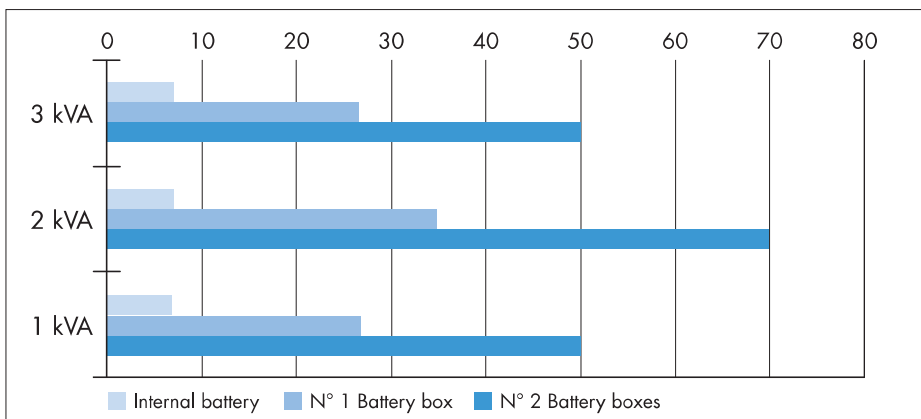


- Active harmonic power quality control ensuring up to 0.99 input PF and THDi<3% for maximum compatibility with sources.
- Automatic self test and advanced battery management maximizing battery performance and extending battery life.
- Battery extension box allowing additional autonomy time to be quickly added.
- Remote power off for immediate UPS shutdown in case of emergency.
- USB communication port providing UPS management.
- One slot auto-sensing communication cards.
- Cold start for powering loads when mains are not available.
- Borri Power Guardian user-friendly UPS management software with alerts upon main power failures and system shutdown notification via SMS and email (for more info see p.10), free downloadable at www.borri.it/download.

Autonomy time in minutes for Rack/Tower UPS



Autonomy time in minutes for Tower UPS



Main options

- SNMP card to send UPS status to BMS's by Ethernet connection and SNMP or ModBus over IP protocol to monitor UPS status by any internet browser from workstations and to receive SMS or e-mail alerts from the UPS on any portable device.
- Contact relay card to send UPS status to PLC's, SCADA's or AS400's by voltage free SPDT contacts.
- Additional battery charger for external battery box. (for more info visit www.borri.it).
- Rail kit Rack/Tower.
- Rack PDU with external sockets and manual bypass switch.



GALILEO technical data

UPS Type	T *	T *	T *	RT (2U)**	RT (2U)**	RT (2U)**
Rating (VA)	1000	2000	3000	1000	2000	3000
Nominal power (W)	900	1800	2700	900	1800	2700
UPS dimensions WxDxH (mm)	144x367x236	151x444x322	189x444x322	440x390x88	440x475x88	440x600x88
UPS weight (kg)	11.2	18.8	24.9	12.0	17.0	26.5

Input

Connection type	IEC 320-C14	IEC 320-C20	IEC 320-C14	IEC 320-C20
Nominal voltage	230 Vac single phase			
Voltage range	195 to 260 Vac			
Frequency and range	50/60 Hz, 45 to 65 Hz			
Power factor	0.98		0.99	
Current distortion (THDi)	<3%			

Output

Connection type	3 IEC 320-C13 1 Schuko	3 IEC 320-C13 2 Schuko	6 IEC 320-C13 2 Schuko	3 IEC 320-C13	6 IEC 320-C13
Nominal voltage	230 Vac +/-1% single phase				
Frequency	50/60 Hz				
Power factor	Any power factor up to 0.9 lagging or leading without power derating				
Overload capability	105% continuous, 120% for 30 seconds, 150% for 10 seconds, >150% transfer to bypass				
Mode of operation	On-line, Eco mode				

Battery

Autonomy time internal battery (min)◆	50% load	12	13	15	12	13	15
	100% load	6	6	6	6	6	6

Connectivity and function extensions

Front panel	Display LCD, LED signaling, function keys
Communication	Included: USB, EPO, RS232. Optional: dry contact card, SNMP card. Compatible platforms: Windows, Linux, Mac

Environmental

Operating temperature range	0°C to +40°C
Altitude (AMSL)	< 1000 m without power reduction, > 1000 m with reduction of 0.5% per 100 m
Audible noise at 1m (dBA)	<50

Standards and certifications

Quality assurance, environment, health and safety	ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007
Safety	IEC/EN 62040-1
EMC	IEC/EN 62040-2
Marking	CE

*Tower **Rack/Tower ◆ Measurement conditions: optimised parameters, battery full charged, Power Factor (PF) 0.7

