

LEONARDO

from 6 kVA ______ to 10 kVA

High-power on-line
1-phase UPS with Rack/Tower
convertible design, ideal for networks

and servers, small data centres.



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.
- Battery extension box allowing additional autonomy time to be quickly added.
- Additional battery charger for external battery box.
- Parallel kit.
- Rail kit Rack/Tower.
- Rack PDU with external sockets and manual bypass switch.

Features and benefits

- On-line double conversion UPS from 6 to 10 kVA, Tower and 2U or 3U Rack/Tower.
- Parallel redundant configuration maximizing the availability.
- 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.
- Active harmonic power quality control ensuring 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.
- Remote emergency power off to guarantee your piece of mind in critical applications.
- Internal manual bypass for safe and easy maintenance.
- RS232 communication port providing UPS management.
- Two slots auto-sensing communication cards.

Back up time for

Tower UPS

- 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, free downloadable at www.borri.it/download (for more info see p.20/21).

Back up time for Rack/Tower UPS



LEONARDO technical data

UPS Type		T *	T *	RT (2U) ***	RT (4U) **	RT (3U) * * *
Rating (kVA)		6	10	6	6	10
Nominal Power (kW)		5.4	9	5.4	5.4	9
UPS dimensions WxDxH (mm)		290x645x748	290x645x748	440x680x88	440x680x176	440x680x132
UPS weight (kg)		86	96	24	52	26
Input	\ -			<u>'</u>		'
Connection type		Hardwired 2w (rectifier), 2w (bypass) Hardwired 2w				
Nominal voltage		230 Vac 1-phase				
Voltage range		160 to 280 Vac				
Frequency and range		50/60 Hz, 45 to 65 Hz				
Power factor		0.99				
Current distortion (THDi)		<6%				
Output						
Connection type		Hardwired 2w				
Nominal voltage		230 Vac +/-1% 1-phase				
Frequency		50/60 Hz				
Power factor		Up to 0.9, without power derating				
Overload capability		104% continuous, 150% for 160 seconds, > 150% transfer to bypass				
Mode of operation		On-line, Eco mode				
Classification by IEC/EN 62040-3		VFI-SS-11				
Battery			T			Ť.
Autonomy time internal battery (min.)	50% load	25	17	external battery	15	external battery
	100% load	9	6	external battery	6	external battery
Connectivity and funct	ion extensions					
Front panel		Display LCD, status LED, function keys				
Communication		Included: USB, RS232 card, EPO. Optional: dry contact card, SNMP card, RS485 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 1 m (dBA)		< 50				
Standards and certific	ations					
Quality assurance, environment, health and safety		ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007				
Safety		IEC/EN 62040-1				
EMC		IEC/EN 62040-2				
Marking		CE				

^{*}Tower with internal battery **Rack/Tower with internal battery ***Rack/Tower without internal battery

[♦] Measurement conditions: optimised parameters, fully charged battery, 0.7 PF





LEONARDO RT (4U) 6 KVA



LEONARDO RT (3U) 10 kVA



LEONARDO RT (2U) 6 kVA



