



**SMART, SCALABLE, SUSTAINABLE**  
POWER FOR YOUR DATA CENTER

RIELLO ELETTRONICA  **riello ups**



# Advanced Data Center Protection: Reliability, Efficiency and Innovation

Riello UPS modular and scalable solutions ensure business continuity and energy optimization for modern Data Centers.

## DATA CENTER NEEDS

Data centers are crucial in managing growing data volumes from AI, IoT, Big Data, Cloud Computing, and other technologies. They require scalable infrastructures to handle complex workloads while ensuring high performance and reliability. Service continuity is essential to prevent financial losses and data security risks, making redundant power systems a key component. Additionally, energy efficiency and sustainability are top priorities, helping to lower costs and meet environmental regulations.

**98.1%**  
**EFFICIENCY**  
in Double Conversion mode.

**Silicon Carbide (SiC) Technology:**  
reduces cooling needs for a more compact and reliable system.

## RIELLO UPS SOLUTIONS FOR DATA CENTERS

Riello UPS provides modular and scalable UPS for high reliability, lithium battery systems for efficiency and longevity, and intelligent energy management to optimize power use and prevent issues. Its Smart Grid-compatible solutions support Demand Response strategies, enabling dynamic energy consumption and renewable integration. By adopting these technologies, data centers can achieve sustainable and reliable growth, with Riello UPS leading in innovation and efficiency.

### Benefits for Data Centers:

- **SIMPLIFIED INTEGRATION:** modular design allows for easy integration into both existing infrastructures and new installations, reducing implementation time and costs.
- **EASY MAINTENANCE:** hot-swappable power modules allow maintenance interventions without interrupting operations, maintaining uninterrupted availability and reducing TCO.
- **ADAPTABILITY TO FUTURE NEEDS:** the ability to expand capacity non-disruptively ensures that the system can grow with the needs of the data center.



# When downtime isn't an option

Riello UPS is at the forefront of innovation, offering reliable, scalable and sustainable solutions to support the needs of modern data centers.

## RIELLO UPS EXPERTISE:

- **Proven Experience:** over 40 years of experience in designing and manufacturing high-quality power solutions.
- **Global Presence:** international support with a network of partners and dedicated service centers.
- **Professional Support:** expert guidance through site surveys, installation, testing, and commissioning.
- **Unbeatable Aftercare:** guaranteed emergency response times and cloud-based remote monitoring for peak performance.

## RIELLO UPS PROVIDES TOP-TIER SOLUTIONS FOR DATA CENTERS, ENSURING:

- **Outstanding Reliability:** high-performing, in-house manufactured products with parallel redundant configurations for added resilience.
- **Continuous Innovation:** constant investment in research and development to offer cutting-edge technologies in the energy sector.
- **Exceptional Efficiency:** UPS systems minimize power consumption, support smart grid integration, and enhance sustainability.



# 360°

DESIGN

PRODUCTION



# MADE IN ITALY

CUSTOMER FOCUS



# UPS Maintenance

## Setting New Standards



### WHY DOES UPS MAINTENANCE MATTER?

Your Uninterruptible Power Supply is a complex piece of electrical equipment and an important asset: made using components and consumables that will age over time and will require replacement.

Even the most reliable UPS isn't completely infallible, faults and failures can happen.

Its at critical moments like this, you need reliable, and expert support to get you back online as quickly as possible.

A proactive approach to maintaining your UPS offers much more than simply reducing your risk of downtime.

It helps to ensure your system is running as efficiently as possible: reducing both your power consumption and energy costs.

Periodical maintenance ensures you maximise your assets service life and subsequently lowers your overall total cost of ownership and aids with future operational budgeting.

### SERVICE LEVEL AGREEMENTS WITH SUBSTANCE

Riello UPS sets the industry for superior UPS maintenance and aftercare. We offer a range of bespoke plans tailored to your specific need

All of our maintenance plans follow the same core principles:

- **Clarity:** 100% guaranteed response times, with no hidden charges with options for automated renewals
- **Custom:** bespoke support and UPS maintenance contracts tailored to our clients needs.
- **Competence:** National based technical support team, managed by trained service personnel.
- **Coverage:** 24/7 Technician availability with spare parts and replacement UPS systems stocked nationwide.

In addition to supporting our full range of Riello UPS systems, we also offer the same level of support for third-party manufactured products, inside and outside of their warranty period.



DATACENTER



DIGITAL LIVING



E-MEDICAL



EMERGENCY



INDUSTRY



TRANSPORT



# Maintenance Plans

## Doing Things Differently



### EMERGENCY RESPONSE TIMES YOU CAN COUNT ON

When downtime strikes and a response is required, we offer a range of emergency response times to best suit your particular needs.

Our range of UPS maintenance plans commit to 100% guaranteed response times and engineering support.

### TAILORED TO MEET YOUR SPECIFIC NEEDS

Response times categorised as **Working Hours** revolve around the typical working day (8:00am to 5:00pm Monday to Friday, with further availability for incidents requiring support outside of those hours; such as during the night or over the weekend.

Support is available on a 24/7/365 basis, with custom response times available to all of our customers with the correct level of Riello UPS contract.



**24-7 Technical Support:** our national based team is just a phone call away through a single dedicated helpline



**Rapid Response:** 100% guaranteed emergency response times with 24/7 - 365 Days ongoing support.



**UPS Servicing:** annual, bi-annual or quarterly Preventative Maintenance visits performed by our qualified Technicians.



**Contract Control:** dedicated nationally based scheduling and contracts team to support your contract particulars.



**Software Updates:** firmware upgrades automatically installed during regular services, ensuring your optimised system performance



**Replacement reliability:** all replacements parts; capacitors, batteries and even end of life replacements are included when supported by a fully comprehensive plan.



**Reliable Replacements:** with replacement parts and UPS systems stored in our national locations across the country to ensure business continuity.



**No Hidden Costs:** all labour costs are inclusive call-outs, repairs, replacements and preventative maintenance are covered with a comprehensive plan.

*Please note while many of the above features are included as standard, some are applicable only with the comprehensive type of maintenance plans. Please enquire with the Riello UPS service team for further details.*



# Multi Power2



ONLINE



Modular



Lithium compatible



SmartGrid ready



USB plug

## 3:3 300-500-600 kW

Multi Power2 enhances power density, integration, and efficiency for both existing and new installations.

Our solution reaches up to 600 kW per cabinet and 2.4 MW with 4 units in parallel.

### HIGHLIGHTS

- **High Efficiency**
- **Scalability**
- **Sustainability**
- **Lithium Battery Compatibility**



MODEL		Multi Power2 – from 300 to 600 kW			
OVERALL SPECIFICATIONS		MP2 300 Front-rear ventilation	MP2 500 Front-rear ventilation	MP2 600 Front-rear ventilation	MP2 600 Front-top ventilation
Cabinet type					
UPS Nominal Power <sup>1</sup> [kW]		300	500	600	600
Bypass Power [kW]		300	500	600	600
Power factor [pf]		1			
Module slots available		5	8	9	9
Number of PM to reach full power		5 x MP2 67 PM	8x MP2 67 PM	9x MP2 67 PM	9x MP2 67 PM
Parallelable up to		4 units			
Max power expandability [kW]		1200	2000	2400	2400
Dimensions (WxDxH) [mm] & weight [kg] <b>PCM</b> <sup>2</sup> Type		600x940x1995 429	600x870x1997 640	N.A.	N.A.
Dimensions (WxDxH) [mm] & weight [kg] <b>PCO</b> <sup>3</sup> Type		N.A.	N.A.	600x870x1997 680	1000x990x1997 800
Dimensions (WxDxH) [mm] & weight [kg] <b>PCS</b> <sup>4</sup> Type		N.A.	N.A.	N.A.	1200x990x1997 930
System Noise Level [dBA±2] <sup>5</sup>		<68	<69	<70	<78
Efficiency ON LINE mode		up to 98.1%		up to 98%	
Cabinet IP rating		IP20 (others on request)			
Cable Input		Front access - bottom (top with optional)	Front access - top (bottom with optional)		Front access - top or bottom
Colour		RAL 9005			
Ambient temp. for the UPS		0 °C - +40 °C			
Range of relative humidity		5-95% non-condensing			
Standards		European directives: LV 2014/35/EU low voltage Directive EMC 2014/30/EU electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant Classification in accordance with IEC 62040-3 (Voltage Frequency Independent) VFI - SS - 111			
Moving UPS cabinet types		Castors (cabinets shipped without PM)			

<sup>1</sup> Power rating between 300 kW and 600 kW can be settled with a selected number of Power Modules.

<sup>2</sup> With Manual Bypass switch only, weight including Power Modules to reach full power.

<sup>3</sup> Without Switches, weight including Power Modules to reach full power.

<sup>4</sup> With Input, Bypass, Output, Manual Bypass switches, weight including Power Modules to reach full power.

<sup>5</sup> Conditions apply.

# Multi Power2 Scalable



ONLINE



Modular



Lithium compatible



AI Ready



USB plug

**3:3** 1000-1250-1600 kW

Multi Power2 Scalable is the ultimate modular UPS, bringing the best features of the Multi Power2 (MP2) family to new heights of power protection. It delivers up to 1.6 MW per unit, with the ability to reach an impressive 6.4 MW by connecting 4 units in parallel.

## HIGHLIGHTS

- **Ultra-high efficiency**
- **Ultimate availability**
- **Risk-free scalability**
- **Truly sustainable**
- **Unmatched flexibility**



MODEL	Multi Power2 Scalable - from 1000 to 1600 kW		
OVERALL SPECIFICATIONS	M2S 1000	M2S 1250	M2S 1600
Cabinet type			
UPS Nominal Power <sup>1</sup> [kW]	1000	1250	1600
Bypass Power [kW]	1000	1250	1600
Power factor [pf]		1	
Module slots available	16	20	30
Number of PM to reach full power	15x MP2 67 PM	19x MP2 67 PM	24x MP2 67 PM
Parallelable up to		4 units	
Max power expandability [kW]	4000	5000	6400
System Noise Level [dBA±2] <sup>2</sup>		<75	
Dimensions (WxDxH) [mm] & weight [kg] PCO <sup>3</sup> Type	2400x1025x2000 1949	2400x1025x2000 2147	3000x1025x2000 2634
Dimensions (WxDxH) [mm] & weight [kg] PCS <sup>4</sup> Type	3000x1025x2000 2027	3000x1025x2000 2225	3600x1025x2000 2712
Dimensions (WxDxH) [mm] & weight [kg] CT05 Type	2400x1025x2000 1949	2400x1025x2000 2147	3000x1025x2000 2634
Dimensions (WxDxH) [mm] & weight [kg] CT2 <sup>6</sup> Type	3000x1025x2000 2002	3000x1025x2000 2200	3600x1025x2000 2687
Efficiency ON LINE mode		up to 98.1%	
Cabinet IP rating		IP20 (others on request)	
Cable Input		Front access - top or bottom (top for CTO)	
Colour		RAL 9005	
Ambient temp. for the UPS		0 °C - +40 °C	
Ventilation		Front to rear (top ventilation optional)	
Range of relative humidity		5-95% non-condensing	
Standards	European directives: LV 2014/35/EU low voltage Directive EMC 2014/30/EU electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant; Classification in accordance with IEC 62040-3 (Voltage Frequency Independent) VFI - SS - 111		
Moving UPS cabinet types	Pallet jack		

<sup>1</sup> Power rating between 1000 kW and 1600 kW can be settled with a selected number of Power Modules.

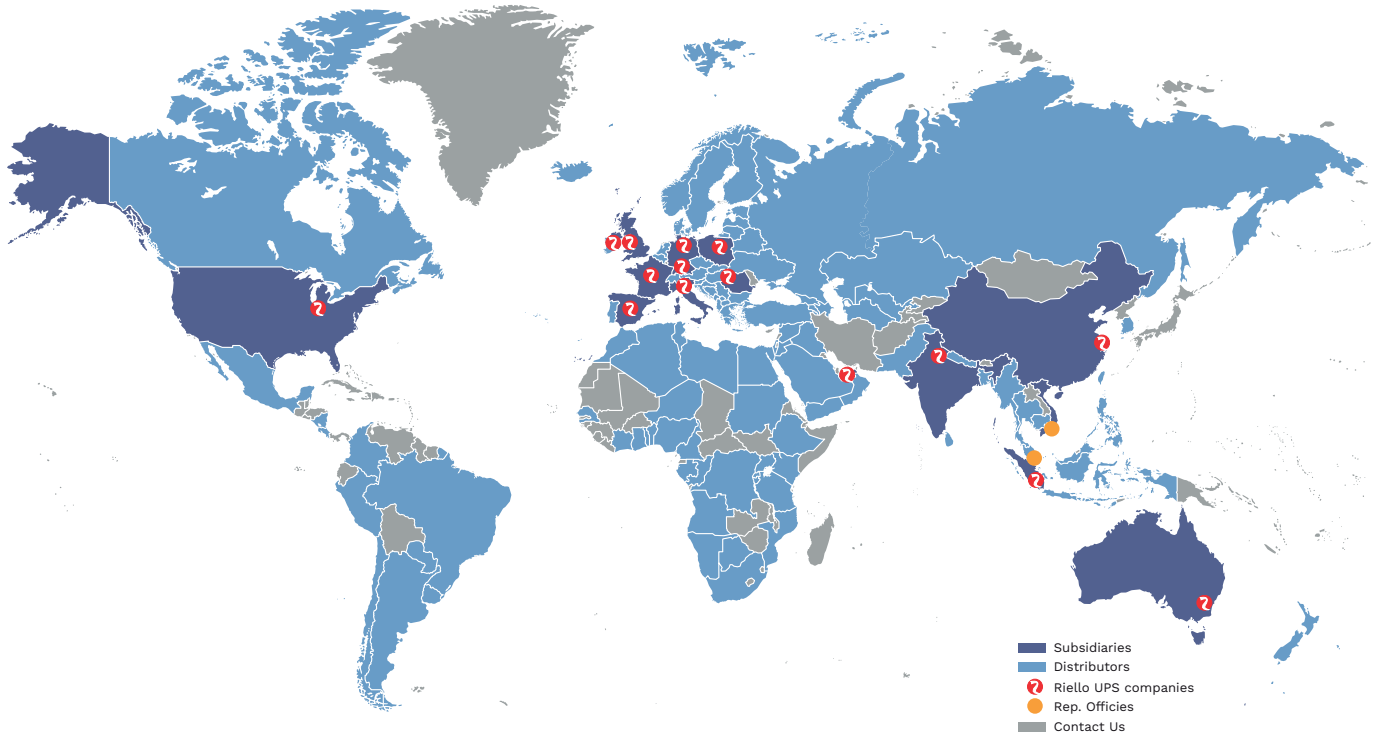
<sup>2</sup> Conditions apply.

<sup>3</sup> Without Switches, weight including Power Modules to reach full power.

<sup>4</sup> With Input, Bypass, Output, Manual Bypass switches, weight including Power Modules to reach full power.

<sup>5</sup> With backfeed device and without Switches, weight including Power Modules to reach full power.

<sup>6</sup> With Input, Output switches and backfeed device, weight including Power Modules to reach full power.



## GLOBAL PLAYER

Riello UPS is a leader in Italy and is firmly placed among the top 5 global companies in the field of power continuity. With 14 legal entities and a network of distributors giving us a presence in

90+ countries, we deliver outstanding services to local customers. Our global reach spreads across Europe, the United States, the United Arab Emirates, China, India, Singapore, Vietnam and Australia.

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