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SME Use	✓
Telecommunications	✗
Data Centre	✓



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Riello Master HP 100kVA UPS

Part No. MHT100

Product Description

The Riello Master HP 100kVA UPS is designed to combine maximum power availability with high efficiency for use within critical applications such as data centres and other industrial environments.

A choice of 9 power ratings from 100kVA to 600kVA, making the Riello Master HP easy and efficient for scalability in distributed or centralised parallel installations.

Incorporating an output isolation transformer ensuring complete galvanic isolation between the load and the DC battery power source. The Riello Master HP has smart Grid-ready solutions able to communicate with the wider electricity network.

Scalable Solution

Master HP offers scope for multi-megawatt installations by enabling systems of up to 8 (distributed parallel) or 7 (centralised parallel) UPS.

The UPS can be added into an existing system without having to transfer to bypass, with intuitive Efficiency Control System guaranteeing optimum performance even at lower loads.

This functionality switches off some units sharing the load between the remaining units to operate at a higher overall efficiency.

Advanced Battery Care

Riello Master HP also has Step-Up/Step-Down converters to reduce the amount of ripple currents. Other features designed to lengthen battery lifespan include deep discharge protection, voltage compensation depending on ambient temperature, and a variety of recharging methods.

Minimal Energy Waste

Master HP delivers high efficiency in comparison to other transformer-free

solutions with up to 95.5% when in ONLINE mode.

Additionally, the Smart Active functionality will automatically choose the most adept operating mode depending on the quality of the mains input.

Centralised Bypass Cabinet

A separate static bypass cabinet (MSB) is available for centralised parallel systems of up to 7 UPS which is available in a choice of 4 power ratings:

- 800 kVA
- 1200 kVA
- 2000 kVA
- 3000 kVA

Features

- Choice of 9 power ratings
- 95.5% operating efficiency (ONLINE mode) reduces energy waste
- Parallel up to 8 (distributed) or 7 (centralised) for extra capacity or redundancy
- Efficiency Control System optimises efficiency in parallel installations
- Automatically selects most efficient operating mode based on mains quality
- Ensures galvanic isolation
- Enhanced battery care system ensures maximum battery lifespan
- Step Up/Step Down converter reduces ripple current

Specification

Rated Power	<i>100000 VA</i>
Voltage	<i>380 / 400 / 415 V three-phase</i>
Weight	<i>700kg</i>
Dimensions (HxWxD)	<i>1900x800x850mm</i>