

Vision Dual



The Vision Dual series (tower and rack) includes models available in:

1.1, 1.5, 2.2 and 3 kVA

The Vision Dual series, for its connectivity and advanced communications, is the ideal solution for the most demanding customers who require a power supply system that offers superior protection and versatility for the protection of critical loads - floor standing or rackmount servers, network hardware and storage systems.

Vision Dual has a modern design, choice of functional formats, and represents the state-of-the-art technology from the Riello UPS research & development team. The UPS can achieve an operating efficiency of 98% and has a output power factor of 0,9.

VERY HIGH PROTECTION

Within a VISION DUAL, an Automatic Voltage Regulator (AVR) provides voltage stabilisation and protection from brownouts, sag and surge voltages.

The AVR also helps to reduce battery usage and retain their charge for a complete mains power supply failure.

Electro Magnetic Interference (EMI) filters provide further protection from spikes and transients.

When the mains power supply fails, the load is powered by the inverter and Single-phase receives a true SINEWAVE supply for maximum power continuity and reliability.

HIGH AVAILABILITY

An EnergyShare output socket provides load shedding on mains power supply failure to maximise the back-up time available for critical loads.

The battery can be "hot-swapped" and is easily accessible behind the front panel of the UPS. For extended back-up times, additional Battery Boxes and extended charging current versions (ER) are available for the VSD 2200 and VSD 3000. Predictive battery testing helps to identify potential battery deterioration and failures.

Deep discharge protection helps to reduce overall battery aging.

Models	VSD 1100 - 1100 VA / 990 W	VSD 1500 - 1500 VA / 1350 W	VSD 2200 - 2200 VA / 1980 W	VSD 2200 ER - 2200 VA / 1760 W	VSD 3000 - 3000 VA / 2700 W	VSD 3000 ER - 3000 VA / 2400 W
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Input

Voltage	220 - 230 - 240 Vac; 50 or 60Hz ± 5Hz
Power Factor	> 0.98, ≤ 7% THDI

Output

Voltage Distortion with Linear / Non-Linear Load	< 3% / < 8%, 50Hz, Sinusoidal
Current Crest Factor	2.5 : 1
Overload Times	150% for 1 second, 125% for 10 seconds

Batteries	VRLA AGM Maintenance-free lead-acid internal battery. Recharge time is 6 - 8 hrs.
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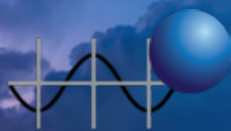
Other Features

Net Weight (kg)	16.5	17.5	28	15.5	31.5	16.5
Dimensions (W x D x H) mm	87 x 450 x 425 (2U x 19" x 425)		87 x 450 x 625 (2U x 19" x 625)			
Protection	Overcurrent - short-circuit - overvoltage - under voltage - temperature - excessive low battery					
Communication	USB / DB9 with RS232 and contacts / Slot for communications interface					
Output Sockets	8 IEC 320 C13		8 IEC 320 C13 + 1 IEC 320 C19			
Standards	EN 62040-1 and Directive 2014/35/EU; EMC: EN 62040-2 and Directive 2014/30/EU.					
Operating Conditions	0°C / + 40°C, < 95% non-condensing					
Colour	Black					
Noise	< 40 dBA					

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