



SOHO



DATACENTER



LINE INTERACTIVE

Vision Dual

1:1 1100-3000 VA



ECO Line



ECO energy



Energy share



Plug & Play installation

HIGHLIGHTS

- **Automatic Voltage Regulator (AVR)**
- **Very high protection**
- **High efficiency**
- **High availability**
- **Versatility**
- **Advanced communication**

The Vision Dual series (tower and rack) includes models from 1100 VA to 3000 VA. 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 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.

Versatility

Vision Dual can be placed directly onto the floor or mounted in 19" rack mount cabinets. The front panel digital display can easily be pulled out and rotated to suit the installation format.

Vision Dual include an Emergency Power Off switch for complete electrical shutdown in emergency situations.

The "cold-start" function allows a Vision Dual to start up on inverter when no mains power or alternative power supply is present.

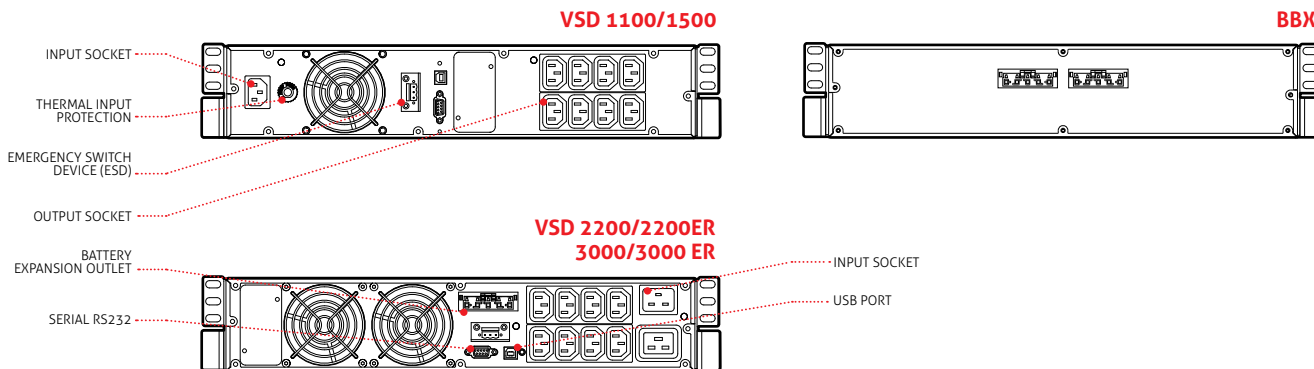
Advanced Communication

- Advanced communication, multi-platform, for all operating systems and network environments: PowerShield³ supervision and shut-down software for Windows 8, 7, 2008 Server, Vista, 2003 Server, XP, Linux, Mac OS X, Sun Solaris and other Unix operating systems.
- USB or RS232 (selectable)
- Expansion slot for SNMP network adapter card
- statuses, measurements, alarms, and input, output and battery parameters available on LCD display

2-YEAR WARRANTY



DETAILS



OPTIONS

SOFTWARE

Powershield³
Powernetguard

ACCESSORIES

NETMAN 101 PLUS
NETMAN 102 PLUS
NETMAN 202 PLUS
MULTICOM 301
MULTICOM 302
MULTICOM 351
MULTICOM 352
MULTICOM 362
MULTICOM 372

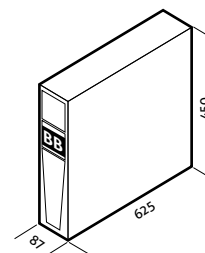
MULTICOM 382
MULTICOM 401
MULTI I/O
MULTISWITCH IRMS (with NetMan plus)
MULTISWITCH IRMS (with serial)
AS400 INTERFACE KIT
External MANUAL BYPASS 16A
External RACK MANUAL BYPASS 16A
GSM MODEM
REMOTE SIGNAL PANEL
Universal rails for installation in rack cabinets
Multipass 16 bypass (mm/kg): 2U x 438 x 360 - rack version weight 6.8

BATTERY BOX

MODELS

VSD 2200-3000

Dimensions (mm)



MODELS	VSD 1100	VSD 1500	VSD 2200	VSD 2200 ER	VSD 3000	VSD 3000 ER
POWER	1100VA/990W	1500VA/1350W	2200VA/1980W	2200VA/1760W	3000VA/2700W	3000VA/2400W
INPUT						
Nominal voltage	220-230-240 Vac					
Voltage range without battery intervention	162 Vac < Vin < 290 Vac					
Max allowable voltage	300 V					
Nominal frequency	50 or 60 Hz ±5Hz					
Frequency range	50 Hz ± 5% / 60 Hz ± 5%					
Power factor	> 0.98					
Current distortion	≤7%					
OUTPUT						
Voltage distortion with linear load / with non-linear load	< 3% / < 8%					
Frequency	Selectable: 50 Hz or 60 Hz or automatic selection					
Waveform	Sinusoidal					
Current crest factor	2.5 : 1					
ECO Mode and Smart Active Output	98.5%					
BATTERIES						
Type	VRLA AGM lead acid maintenance free batteries					
Charging time	2-4 hours					
OVERLOAD TIMES						
100% < Load < 110%	5 minutes					
110% < Load < 150%	10 seconds					
Load > 150%	1 second					
OTHER FEATURES						
Net weight (kg)	16.5	17.5	28	15.5	31.5	16.5
Gross weight (kg)	20	21	33	20.5	36.5	21.5
Dimensions (hwd) (mm)	87x450x425 (2Ux19"x425)			87x450x625 (2Ux19"x625)		
Packaging dimensions (hwd) (mm)	240x500x600			240x600x760		
Surge protection	300 joule					
Protection devices	Overcurrent - short-circuit - overvoltage - undervoltage - thermal - excessive low battery protection devices					
Communication	USB / DB9 with RS232 and contacts / Slot for communications interface					
Input sockets	1 IEC 320 C14			1 IEC 320 C20		
Output socket	8 IEC 320 C13			8 IEC 320 C13 + 1 IEC 320 C19		
Compliance with Standards	Safety: EN 62040-1 and Directive 2006/95/EL; EMC: EN 62040-2 category C2 and Directive 2004/108/EL					
Ambient temperature	0°C / +40°C					
Relative humidity	< 95% non-condensing					
Colour	Black					
Noise level	< 40 dBA @ 1 m					
Standard equipment provided	Power cable, serial cable, USB cable, safety manual, quick start, software on CD-ROM					



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