

Model # MU650VS

Smart line interactive UPS with 1xC13 and 2x Universal Outlets - 230V, 650VA, 390W with Color LCD and USB based power monitoring tools

Product Description:

Magnizon MU650VS Series is a smart line interactive UPS with the most advanced DSP control technology with built in boost & buck AVR technology which can protect the sensitive device from utility fail, over /under voltage, surges, transients, spikes and other electrical abnormalities. With automatic boost voltage regulation and wide input voltage range, VS series UPS is a good choice to be applied to all kinds of complex power environment. With elegant color LCD display shows plenty of information, alarms, error codes, battery charge status, load status etc.



Key Features:

- ❖ Magnizon MU650VS 650VA/390W smart line interactive UPS with AVR technology
- ❖ Advanced DSP control system with large color LCD display
- ❖ Wide input voltage range(130~290VAC) can adapt to different power grid environment
- ❖ DC start (cold start) function
- ❖ USB based power monitoring software
- ❖ Fused inlet power cable with plug
- ❖ Equipped with Boost and Buck AVR to stabilize input voltage.
- ❖ Wide input voltage range, AVR function.
- ❖ Built in DC start function enables UPS to start up without AC power supply.
- ❖ Line Surge Protection
- ❖ Overload/ Over charge/ Short-circuit/Low battery automatic alarm protection.
- ❖ Auto restart while AC recovery.

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Applications:

- ❖ Small office and home office (SOHO) applications
- ❖ Photocopiers/EPBAX/FAX/SCANNER
- ❖ Music players & smart TV applications
- ❖ Desktops, servers & storage applications
- ❖ Game stations and smart toys

Package includes:

- ❖ MU650VS
- ❖ USB cable
- ❖ User manual

Specifications:

Model no	MU650VS
Capacity	650VA/390W
OUTPUT DATA	
Output Volt Amp Capacity (VA)	650
Output Watt Capacity (Watts)	390
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage Details	230V nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	230V (±9.5%)
Output Voltage Regulation (Battery Mode)	230V (±5%)
Output Receptacles	1no C13 and 2nos Universal Outlets
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
INPUT DATA	
Rated input current (Maximum Load)	2.8A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	Cable with Plug
Input Phase	Single-Phase
BATTERY DATA	
Full Load Runtime (min.)	3 min. (390w)
Half Load Runtime (min.)	6 min. (195w)
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	8 hours from 10% to 90%
Battery Replacement Description	See manual for battery replacement information
Transfer Time	4~6 milliseconds

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Low Voltage Transfer to Battery Power (Setpoint)	130V
High Voltage Transfer to Battery Power (Setpoint)	290V
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 130 and as high as 290
Overvoltage Correction	Input voltages between 240 and 290 are reduced by 10%
Undervoltage Correction	Input voltages between 130 and 210 are boosted by 15%
USER INTERFACE, ALERTS & CONTROLS	
Switches	1 Switch controls off/on power status
Audible Alarm	Audible alarm with distinct tone patterns indicates low-battery, overload, replace-battery and fault-mode
LCD Display	Large color LCD with AC input, AC output, Load, Battery status, fault condition, error code display
LED Indicators	Front panel LEDs indicate off/on power status, line power availability, battery mode operation, overload, replace-battery and fault-mode
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	325
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Installation Form Factors Supported with Included Accessories	Tower
Primary Form Factor	Tower
UPS Power Module Weight (kg)	4.8kgs
Shipping Weight (kg)	5.1Kgs
UPS Housing Material	Stainless steel
Dimension (DxWxH mm)	320x 90 x 150
ENVIRONMENTAL	
Operating Temperature Range	0 to 40°C
Storage Temperature Range	-15 to 45°C
Relative Humidity	Up to 90%, non-condensing
AC Mode BTU / Hr. (Full Load)	26
AC Mode Efficiency Rating (100% Load)	95%
Noise level	less than 35dB
Operating Elevation (m)	0-2000m
Communications Interface	USB
CERTIFICATIONS & WARRANTY	
UPS Certifications	CE, EN/IEC 62040-1:2008, EN/IEC 62040-2:2006, EN/IEC 61000-3-3:2013, EN/IEC 61000-3-2:2014
UPS Quality standards	ISO9001:2015, ISO14001:2015, RoHs
Product Warranty Period (Worldwide)	1-year limited warranty

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