



MAINLINE DIGITAL (PVT) LTD.

Excellence is a Never-Ending Process

ELECTRON VALUE SERIES SINE WAVE UPS(1-6kVA)

Stable Power. Maximum Protection.
For Your Critical Devices.



Key Features



01

Sine-Wave Output

Clean, stable power for sensitive electronics.



02

High Efficiency >98%

With Saver Mode for lower energy loss.



03

Wide Input Range 154-265 VAC

Stable operation even on poor mains supply.



04

Multiple Battery Options.

Options: Lithium (LiFePO4), VRLA, Tubular, GEL and Sodium Ion, up to 500 AH.



05

Comprehensive Protection

Under/over-voltage, overload, over-temperature and short-circuit protection.



06

Monitoring & Indication

LCD and LED status, RS-232 port & RMS; optional Wi-Fi remote monitoring.



Typical Applications



IT & Networking



Workstations



POS Systems



CCTV/Security



Telecom



Offices



Homes



Sensitive Equipments

Model	Capacity	DC Voltage	Rated Output	Charging Current
VL-100	1000VA	12V	700W	15A
VL-200	2000VA	24V	1400W	20A
VL-300	3000VA	24V	2100W	20A
VL-500	5000VA	48V	3500W	30A
VL-600	6000VA	48V	4200W	30A

INPUT	
Nominal Voltage	220 VAC
Input Voltage Range	154–265 VAC
Frequency	50–60 Hz, auto sensing

OUTPUT	
Output Voltage	220 VAC
Output Frequency	50 Hz
Waveform	Pure Sinewave
Crest Factor	3:1
Harmonic Distortion	>3% THD (Linear Mode)
Output Voltage Regulation	10% RMS
Saver Mode	Yes
Efficiency	>98%

BATTERY & CHARGING	
Battery Type	Lithium (LiFePO4), VRLA, Tubular, GEL, Sodium Ion
Battery Capacity	Up to 500 AH
Charging Current	VL-100: 15 A VL-200/300: 20 A VL-500/600: 30 A (10
Low Level Disconnect	V or 10.5 V) × N; N = number of batteries in series

INDICATIONS, ALARMS & COMMUNICATION	
LCD Status	InputAC, OutputAC,BatteryDC,Output Load, Alarm/Fault, Battery Charge Level, Output Frequency
LED Status	AC Line In, Inverter, Charging, Alarm
Alarms	Low Battery, Overload, Fault
Communication	RS-232 Port & RMS; Remote Monitoring System Wi-Fi optional

ENVIRONMENT & APPLICATIONS	
Operating Temperature	0–45 °C
Humidity	0–95% RH, non-condensing
Acoustic Noise	>55 dB
Typical Applications	IT & networking, workstations, POS systems, CCTV/security, telecom, offices, homes and sensitive electronics