COMET POWER SOLUTIONS

LINE INTERACTIVE UPS 2000VA

K Series Off-Line / Line-Interactive Uninterruptible Power Supply

MODEL: K-2000

Capacity: 2000VA

Product Overview

The COMET K Series 2000VA Line Interactive UPS is the flagship high-capacity model designed for data centers, high-end servers, enterprise LAN infrastructure, and heavy-duty precision electronics. Powered by dual high-capacity 12V 9Ah batteries and sophisticated microprocessor architecture with Automatic Voltage Regulation (AVR), it delivers maximum runtime and continuous protection against blackouts, voltage sags, overvoltage, and power surges.



Key Features & Advantages

- High-capacity 2000VA / 1200W output for critical business workloads
- Super-wide mains AC input voltage range (145–280 VAC)
- Dual heavy-duty batteries (12V 9Ah x 2) for extended backup time
- Advanced microprocessor control ensuring high operational reliability
- Automatic Voltage Regulation (AVR) for auto boost & buck stabilization
- Auto-restart capability upon utility AC power recovery
- Off-mode automatic battery charging & Cold Start function
- Full generator compatibility for continuous facility backup
- Comprehensive defense against overload, deep discharge, and overcharge

Technical Specifications

Category	Parameter	Specification / Detail
Input	Nominal Input Voltage	220 VAC
Input	AC Input Voltage Range	145 – 280 VAC
Input	Input Frequency Range	50 Hz (Auto-sensing)
Input	Generator Compatibility	Yes
Output	Power Rating / Capacity	2000 VA / 1200 W
Output	Voltage Range (Battery Mode)	220 VAC ± 10%

Output	Frequency Range (Battery Mode)	50 Hz ± 1 Hz
Output	Transfer Time	Typical: 2–6 ms; Maximum: 10 ms
Output	Waveform (Battery Mode)	Modified Sine Wave
Battery	Battery Model & Quantity	12V / 9Ah x 2
Battery	Recharge Time	4 to 6 hours recharge to 90% capacity
Battery	Charging Behavior	Automatic charging in Off-mode
Battery	Cold Start Function	Supported (Power on with battery)
Status & Alarm	LED Indicator (AC Mains Mode)	Green Light (Normal AC Operation)
Status & Alarm	LED Indicator (Battery Mode)	Yellow Light Flash
Status & Alarm	Audible Alarm - Battery Mode	Beeps every 4 seconds
Status & Alarm	Audible Alarm - Low Battery	Beeps every 1 second
Status & Alarm	Audible Alarm - Overload	Beeps every 0.5 seconds
Status & Alarm	Audible Alarm - Fault	Beeps continuously
Protection	Comprehensive Protection	Full protection against overload, deep discharge, and over-charge
Physical	Dimensions (D x W x H)	405 x 144 x 213 mm
Physical	Net Weight	17.6 kg
Environment	Operating Temp & Humidity	0°C – 40°C @ 0–90% Relative Humidity (Non-condensing)
Environment	Acoustic Noise Level	< 40 dB at 1 meter distance

Recommended Applications

Data Center Rooms
Server racks, core storage units, & data centers

High-End Servers
Enterprise servers, heavy IT infrastructure

Network Equipment
Enterprise LAN switches, routers, & telecom hubs

Precision Electronics
Medical electronic systems & industrial controls