



VIGIL™ Series

Outdoor Line-Interactive UPS for CCTV & Remote Installations Power Range: 2000VA / 1600W | Wide Temperature Range | Pure Sinewave Output

System Overview

The VIGIL™ Series from DEWEN® is a compact, outdoor-ready uninterruptible power solution tailored for critical CCTV, security, and remote monitoring applications. Designed to operate in extreme environmental conditions from -40°C to $+70/80^{\circ}\text{C}$, VIGIL ensures dependable backup power and voltage regulation in the field.

Ideal for telecom cabinets, pole-mounted surveillance systems, and access control infrastructure, VIGIL features a robust line-interactive topology with pure sinewave output, intelligent charging, and versatile communication interfaces. Its compact, lightweight design makes it easy to deploy in both urban and remote outdoor scenarios.

Key Features & Highlights

- Line-Interactive Topology with AVR (Automatic Voltage Regulation)
- Wide Operating Temperature: -40°C to $+80^{\circ}\text{C}$ (Model Dependent)
- Pure Sinewave Output with $<3\%$ THD (Full Resistive Load)
- Selectable Transfer Time Modes for Normal or Generator Input
- User-Adjustable Charging Current
- Dry Contact Interface for Event Signaling
- RS-232, USB and Optional SNMP Communication
- Battery Life Optimization with Voltage Compensation
- Circuit Breaker Protection: AC Input, Output, External Battery
- Compact Form Factor with IP20 Housing

Applications & Use Cases

- Outdoor CCTV / Surveillance Systems
- Traffic Monitoring & ANPR Sites
- Remote Security Access Points
- Telecom Cabinets and Repeater Stations
- SCADA & Remote Monitoring Panels

Environmental & Design Specifications

- **Enclosure:** IP20-rated steel housing – resistant to dust.
- **Operating Conditions:** -40°C to $+80^{\circ}\text{C}$, up to 95% non-condensing humidity
- **Cooling Options:**
 - **Forced-air (standard):** high-reliability front to-rear airflow

Safety & Compliance

- FCC Class A / EN50091-2
- IEEE/ANSI C.62.41
- 2KV Surge Protection





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Technical Specifications

Parameter	Specification
Power Rated	2000VA/1600W
Input Voltage	120 VAC / 230–240 VAC
Frequency Range	50/60 Hz (Auto Sensing)
Voltage Range	88–152 VAC (programmable) / 176–300 VAC (programmable)
Output Voltage	120 VAC / 230–240 VAC ±5%
Output Frequency	50/60 Hz ±0.1%
Waveform	Pure Sinewave
THD	<3% (at Full Resistive Load)
Efficiency	95% (AC Mode)
Battery Voltage	48VDC
Battery Type	External AGM
Communication	RS-232, USB, Optional SNMP
Dry Contact	3A @ 125VAC / 250VAC
Dimensions (D×H×W)	240 × 133× 400 mm
Net Weight	13 kg
Operating Temperature	–40 °C to +70 °C / +80 °C
Humidity	5% to 95% RH (Non-Condensing)
Noise Level	<48 dB

Contact Our Team

✉ Email: info@dewenenergy.com

🌐 Web: www.dewenenergy.com

Tested in the UK | Field-Proven Reliability | Built for Extreme Outdoor Conditions

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