



Citadel™ Series

1 – 10 kVA | Integrated Outdoor UPS Cabinets
| IP55

**Rugged Outdoor Power Protection with
Integrated UPS, Batteries & Thermal
Management**



System Overview

The DEWEN® Citadel™ Series delivers a fully integrated outdoor UPS cabinet solution engineered for harsh and remote environments. With IP55-rated enclosures, built-in UPS modules, breaker protection, and space for mounting batteries, Citadel ensures continuous and reliable backup power even under extreme weather conditions.

Optional features such as air-conditioning or heat exchangers, anti-theft locks, smoke detectors, and vandal-resistant hinges make Citadel the ultimate outdoor-ready UPS for telecom base stations, traffic systems, CCTV, and mission-critical infrastructure.

Key Features & Highlights

- IP55 outdoor-rated enclosure – waterproof, dust-proof, corrosion-resistant
- Integrated cabinet solution – UPS, breakers, and space for batteries in one unit
- Thermal management – air-conditioner or heat exchanger option
- Secure design – anti-theft lock, vandal-proof hinges, smoke detection (optional)
- Wide AC input tolerance for unstable grids
- Flexible charging current – up to 8 A standard, higher values available on request
- Parallel capability and hot-swappable UPS modules
- Intelligent monitoring – LCD panel with RS485 or Ethernet communication
- Extended operating temperature range with heater/anti-condensation options

Applications & Use Cases

- Telecom base stations in remote or harsh locations
- Traffic lights, roadside equipment, and ITS systems
- LAN and CCTV surveillance infrastructure
- Utility substations and outdoor control cabinets
- Critical remote infrastructure requiring continuous protection

Safety & Compliance

- CE, TUV, RoHS compliant
- IEC/EN 62040-1 – Safety
- IEC/EN 62040-2 – EMC
- IEC/EN 62040-3 – Performance
- Ingress Protection: IP55 enclosure





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Technical Specifications

Parameter	Specification
Capacity Range	1 – 10 kVA
UPS Topology	Online double conversion
Input Voltage	220/230/240 VAC, 50/60 Hz
Input Voltage Range	±25% tolerance (typical)
Input Power Factor	≥0.99 at full load
Output Voltage	220/230/240 VAC ±1%
Overload Capability	110% for 1 min, 130% for 10 s
Battery Type	VRLA (standard), lithium optional
Battery Charging Current	Up to 8 A standard (higher values on request)
Operating Temperature	-20 °C to +55 °C (with heating/AC options)
Relative Humidity	5 – 95%, non-condensing
Altitude	0 – 2000 m (derating above 1000 m)
Monitoring	LCD panel, RS485, optional Ethernet/SNMP
Compliance	IEC/EN 62040-1/2/3, IEC 60068-2, ISO 12944, CE, TUV, RoHS

Contact Our Team

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All-in-One Outdoor UPS. Built to Withstand.

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