

DEWEN™

Railway Power Solutions

Reliable DC, Inverter & UPS Systems
for Railway Signalling, Telecom, and
Infrastructure



EN 50155 | EN 45545 | EN 50121

MARKETS AND INDUSTRIES

Featuring DEWEN FlexiPower™,
IntelliHybrid™, TITRON™, DMR
Rectifier, and DMI Inverter
Systems

DEWEN™

POWERING RAILWAY RELIABILITY

DEWEN® is a UK-based leader in UPS systems, rectifiers, inverters, and lifecycle power services, delivering smart, scalable, and sustainable solutions across rail, telecom, energy, and critical infrastructure. With compliance to EN 50155, EN 45545, and EN 50121, DEWEN Railway Solutions ensure safe, reliable, and efficient power – from trackside and telecom shelters to stations, tunnels, and control centers



Railway-Certified

EN 50155 /
EN 45545 /
EN 50121



Scalable DC Power

28V / 48V /
110–125V



Modular UPS

IP54
protection for
harsh
environments



OEM Proven

Global
technology
with DEWEN
assurance



Lifecycle Support

From design
to
maintenanc
& upgrades



Trackside &
Signalling



Telecom &
Communication



Stations &
OCCs



Substations &
Depots

DEWEN™

TRACKSIDE & SIGNALLING POWER



DMR4020A-S3-GR

28 VDC, 70 A, 3.0 kW

DMR4070A-S3-GR

125 VDC, 20 A, 2.9 kW



Hot-
Swappable



High Efficiency
96%



N+1
Redundancy



Remote
Monitoring

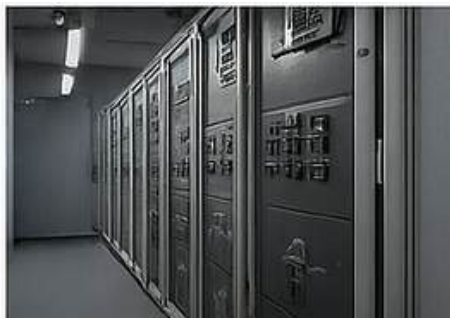
EN
50155

EN
50121

EN
45545



Point Machines



Relay Rooms



Interlocking
Systems

DEWEN™

TELECOM & COMMUNICATION POWER



DMR4850A- S1-GR

48 VDC, 50 A
(rectifier)

DMR1U48100 A-S1-GR

48 VDC, 100
A (rectifier)

DMI48011-S1- ER

48 VDC → 230
VAC, 1 kVA
(inverter)



Hot-
Swappable



High Efficiency
95%



Pure Sine
Wave



Surge
Protection

CE

IEC/EN
62040



GSM-R / LTE-R Base
Station



Station IT Rack /
Ticketing



CCTV / PA /
Passenger
Information

Telecom & Communication models are industrial grade; not railway-certified.

DEWEN™

UPS SOLUTIONS FOR STATIONS & RAIL INFRASTRUCTURE



IntelliHybrid™ UPS

- Compact (10–20 kW)
- High Efficiency (96% / 98.8% ECO Mode)
- IoT / Cybersecurity Certified IEC 62443
- IEC/EN 62040



TITRON™ RailGuard™

- Heavy-Duty (10–300 kVA)
- Galvanic Isolation (transformer-based UPS)
- Railway Certified: EN 50155 / EN 45545 / EN 50121
- IEC/EN 62040



ATHLON FlexiPower™

- Modular & Scalable (20–1200 kW)
- IP54 Rugged Protection
- IEC/EN 62040



OCC Control Room



Station Hall / Tunnels



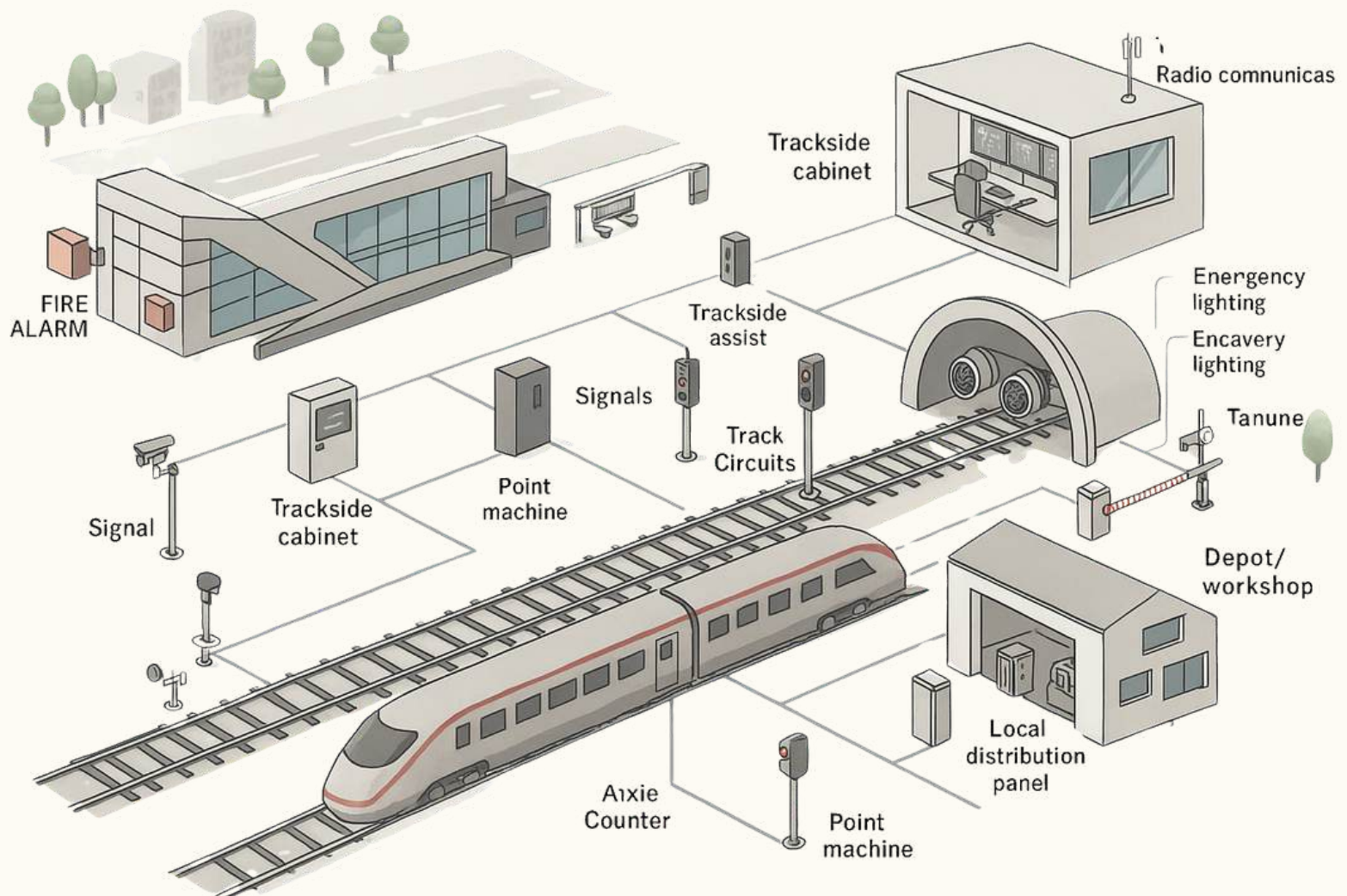
Substation / Depot

Each UPS model offers specific features and certifications: FlexiPower with modular IP54 protection, IntelliHybrid with IoT cybersecurity certification, TITRON RailGuard with full railway standards.



Where DEWEN Powers Railway Infrastructure

DEWEN solutions cover the full spectrum of railway infrastructure power needs. From trackside signalling and telecom shelters to stations, OCCs, tunnels, and substations, our rectifiers, inverters, and UPS systems provide reliable power wherever continuity is critical.



Trackside & Signalling

28 V & 125 V DMR rectifiers for point machines, track circuits, interlocking.

Telecom & Communication

48 V rectifiers and inverters for GSM-R / LTE-R, OCC, and telecom huts.

Stations & OCCs

FlexiPower modular IP54 UPS for stations, control centers, and tunnels. IntelliHybrid UPS for IT racks and telecom systems.

Substations & Depots

TITRON™ RailGuard UPS for signalling power, substations, and heavy-duty auxiliary loads.

DEWEN delivers end-to-end railway power solutions: DC rectifiers, inverters, and UPS systems, engineered for reliability in every part of the rail network



Compliance with Global & Railway Standards

DEWEN products are designed and tested according to international UPS and industrial standards. Selected models are also available in railway-compliant variants, certified to the latest EN railway norms. This ensures safe, reliable, and regulation-ready power solutions for every part of the railway infrastructure.

Product Family	EN 50155	EN 45545	EN 50121-3-2	EN 50121-4	IEC/EN 62040	CE/UL/TÜV
DMR Rectifiers	✓ (rail models)*	✓ (rail models)*	✓ (rail models)*	✓ (rail models)*	IEC/EN 62040	✓
DMI Inverters	–	–	–	–	IEC/EN 62040	✓
ATHLON FlexiPower	–	–	–	✓	IEC/EN 62040	✓
IntelliHybrid UPS	–	–	–	–	IEC/EN 62040	✓
TITRON RailGuard	✓	✓	✓	✓	IEC/EN 62040	✓

* DMR Rectifiers: Available in both railway-compliant models (EN 50155, EN 50121, EN 45545) and industrial-only versions for telecom and station infrastructure.

DEWEN ensures compliance with global safety, EMC, and railway standards – offering both industrial-grade systems for infrastructure and certified solutions for demanding railway applications.



Global Services & OEM Support

Beyond technology, DEWEN supports railway operators, EPCs, and OEM partners with end-to-end services – from design and customization to long-term maintenance. Our solutions are backed by OEM-proven platforms and tailored with DEWEN engineering to meet the specific requirements of railway infrastructure projects.

Our Services

- System Design & Engineering
- Customized DC, inverter, and UPS solutions for railway environments
- OEM Integration
- White-labeled modules and systems built on proven global platforms
- Testing & Compliance
- Support for IEC/EN and railway certifications (EN 50155, EN 45545, EN 50121)
- Lifecycle Support
- Installation, commissioning, and long-term maintenance programs
- Digital Monitoring
- IoT/cloud-based supervision for UPS and telecom power systems

Why DEWEN Support

- Backed by OEM partnerships with global suppliers
- Strong expertise in railway signalling, telecom, and station infrastructure
- Modular products ensure fast service & easy spare part replacement
- Global reach with regional service partners

DEWEN delivers not just products, but complete lifecycle support – ensuring reliable railway power systems from installation to operation.

DEWEN™

Reliable Power for Railway Infrastructure

Contact Our Team

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DEWEN – OEM-proven technology, tailored for railway applications.