



Martek Power



Rail Power Supply Solutions

High performance power supplies & DC/DC converters for railway rolling stock

www.lpa-group.com

powersystems@lpa-group.com

+44 (0)1954 267726



AC/DC & DC/DC converters & DC/AC inverters

Wide standard product range & custom capability

Power range: 10W–1kW

Designed specifically for rail applications

High power density & high efficiency

35+ years' experience in rail

High reliability design & components

LPA's Martek Power Solutions

The Martek Power range of power supplies and converters from LPA has been used by the rail industry for over 35 years for both on-board and trackside applications. Products are in service worldwide on trains in North America, Europe and Asia.

With solutions from 10W to over 1kW, in various mechanical form factors (rack mount, chassis mount, open frame etc.), almost any application is catered for.

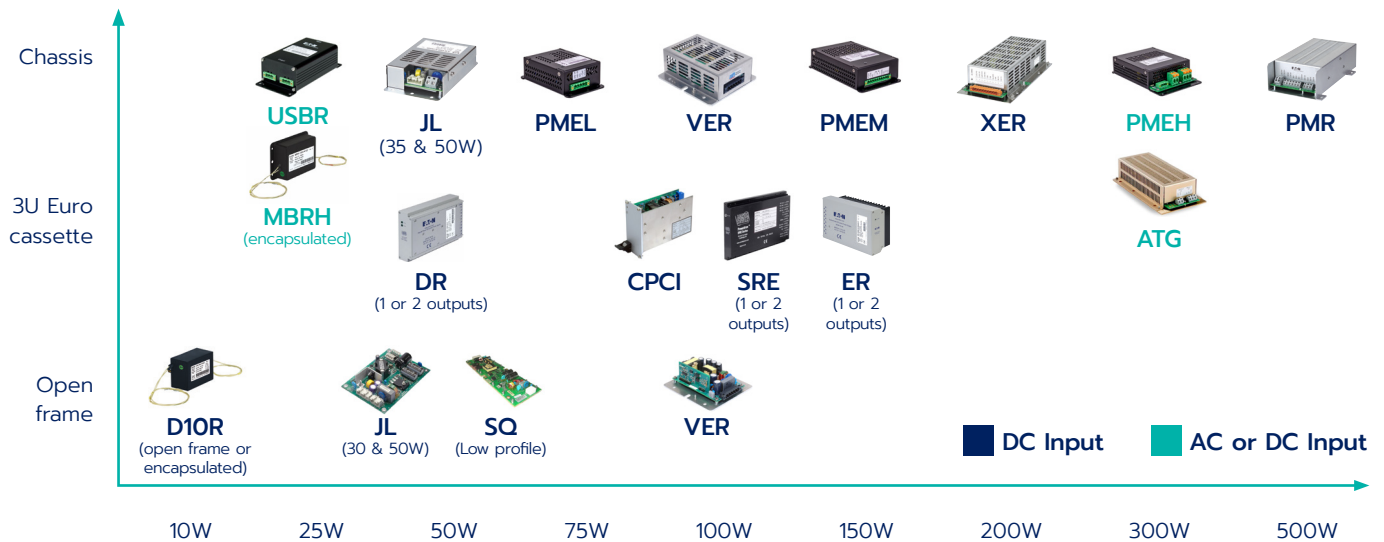
The wide range of standard products is complemented by a competitive custom design capability.

With a comprehensive knowledge of rolling stock standards, compliance and reliability is embedded into our products.

Typical rail applications

- CCTV & Security
- Passenger Information Systems
- ERTMS / CBTC / ETCS / TPWS
- USB charging
- Traction control
- Train Management Systems
- HVAC
- Passenger counting
- Door control
- Seat Reservation Systems

Martek Power Standard Products



Standards Compliance

EN 50155:2021	Electronic equipment used on rolling stock
EN 50121-3-2:2016/A1:2019	Rolling stock equipment. Electromagnetic compatibility
EN 61373:2010	Rolling stock equipment. Shock and vibration
BRB/LUL RIA12	Surge and transient requirements
EN 45545-2:2020+A1:2023 (HL1/2 & 3)	Fire protection on railway vehicles
EN 50533:2011 + A1:2016	Railway applications – three-phase train line voltage characteristics
EN 50153:2014	Railway applications – rolling stock. Protective provisions relating to electrical hazards
EN 50657:2017	Railway applications. Insulation coordination. Basic requirements. Clearances and creepage distances for all electrical and electronic equipment
USB PD Rev 3.1 V1.2 (EN 62680-1-2:2022)	Universal serial bus – Power Delivery specification
REACH	Regulation on the registration, evaluation, authorisation and restriction of chemicals



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Glebe Farm Campus
 Knapwell
 Cambridge
 CB23 4GG