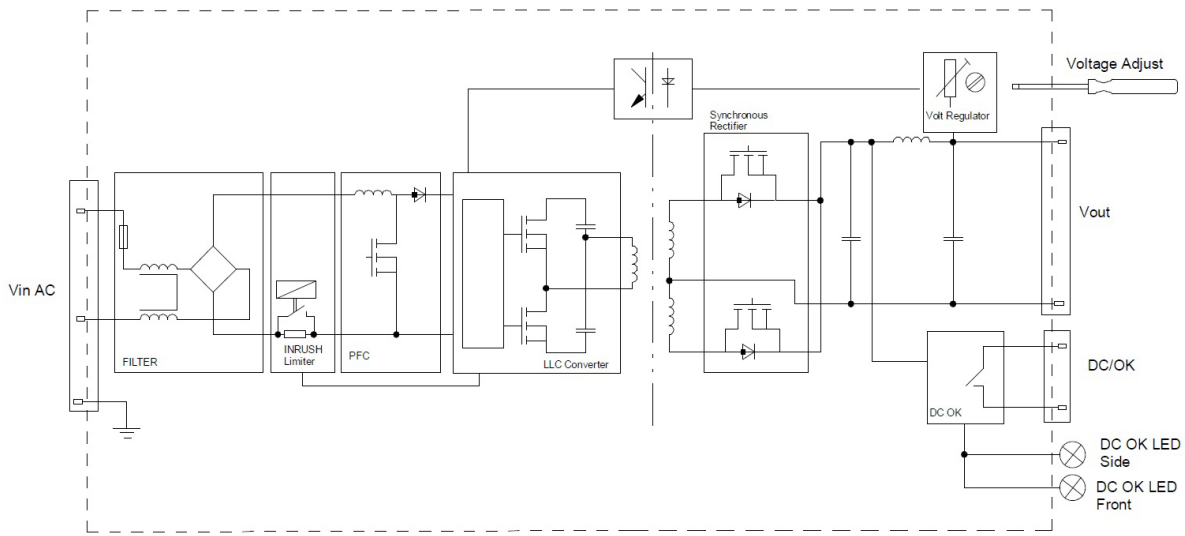


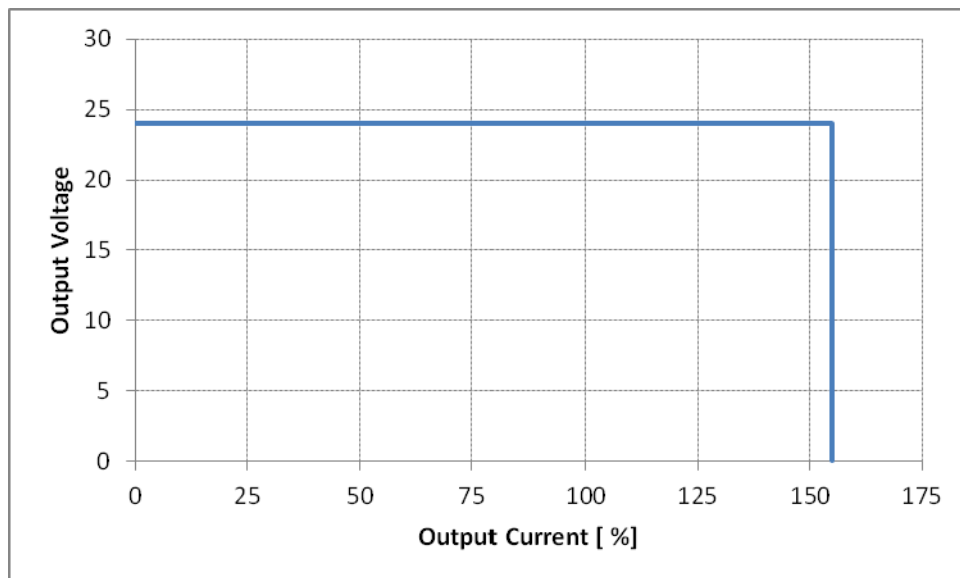
General Specifications

Operating temperature range		–40°C to +70°C max.
Derating		2 %/K above +60°C
Cooling		convection cooling, no internal fan
Overtemperature protection		switch off at overtemperature
Humidity (non condensing)		5–95 % rel. H max.
Altitude during operation		2000 m max.
Isolation Voltage	– Input/Ouput – Input/Chassis – Ouput/Chassis	4250 VDC 1500 VDC 750 VDC
Creepage Clearance	– Input/Ouput – Input/Chassis – Output/Chassis	8 mm 4 mm 1.5 mm
MTBF (acc. to IEC 61709 at 25°C)		> 1'300'000 h
Safety standards	– Information technology equipment – Safety low voltage switchgear and controlgear – ATEX for hazardous location (EX models only) – UL HazLoc (EX models only) – Certification documents	IEC/EN 60950-1, UL 60950-1 CSA 22.2 No 60950-1-03 UL 508 EN 60079-0, EN 60079-7, EN 60079-15 (EX II3G Ex ec nC IIC GC) Class I, Division 2 www.tracopower.com/overview/tib
Electromagnetic compatibility (EMC), Emissions	– Conducted emission input – Radiated RI emission	EN 61000-6-3, EN 61204-3 EN 55032, EN 55011 class B EN 55032, EN 55011 class B
Electromagnetic compatibility (EMC), Immunity	– Railway applications signalling apparatus – Railway applications rolling stock apparatus – Electrostatic discharge (ESD) – Radiated RF field immunity – Electrical fast transient / burst immunity – Surge immunity – Immunity to conducted RF disturbances – Power frequency field immunity – Mains voltage dips and interruptions – Voltage sag immunity	EN 61000-6-2, EN 61204-3 EN 50121-4 EN 50121-3-2 IEC/EN 61000-4-2 4 kV/8 kV criteria A IEC/EN 61000-4-3 10 V/m criteria A IEC/EN 61000-4-4 2 kV criteria B IEC/EN 61000-4-5 1 kV/2 kV criteria B IEC/EN 61000-4-6 10 V criteria A IEC/EN 61000-4-8 30 A/m criteria A IEC/EN 61000-4-11 criteria B/C SEMI F47 (230 VAC) criteria A
Environment	– Railway applications shock and vibration – Vibration acc. IEC 60068-2-6-3 – Shock acc. IEC 60068-2-27	according EN 61373 3 axis, 2 g sine sweep, 10–55 Hz, 11 okt/min 3 axis, 25 g half sine, 11 ms
Enclosure material	– Chassis – Cover	aluminium stainless steel
Mounting	– DIN-rail mounting	for DIN-rails as per EN 50022-35×15/7.5
Environmental compliance	– Reach – RoHS	www.tracopower.com/info/reach-declaration.pdf RoHS directive 2011/65/EU
Connection		screw terminals

Function Specification



Output Characteristic



Characteristic: Output voltage vs output current for overload conditions until switch off after 4s at nominal input voltages