



## Product Datasheet

Part Code: VSDC-18150-7W

### Vidisafe DC-DC Converter

This unique technology incorporates all necessary input/output filters, signaling and protection features required in most applications. It features an extremely wide input voltage range from 12 to 168VDC in the same model to cover both diesel and electric rolling stock applications with one product. This not only simplifies fleet refurbishment design but also reduce spare parts stock.

### Key Features

- Extremely wide input voltage range from 12 - 168VDC in the same model
- RoHS compliant
- Class I equipment
- Input over and programmable under voltage lockout
- Shutdown function
- Inrush current limitation
- 10 ms hold-up time
- Very high efficiency up to 94%
- Immunity according to IEC 61000-4-2, -3, -4, -5, -6
- ALL PCBs protected by lacquer



### Features

Other features	The outputs are continuously open- and short-circuit proof
	Very low ripple and RFI noise
	Full input to output isolation
	Over-temperature protection
	Input over/under voltage lockout protection
	Supports series or parallel output voltage connections
	Full RoHS compliance



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#### Specifications

Input voltage (static):	16.8-150Vdc
Input voltage for 2 s:	12 – 168Vdc for
Output 1:	12V, 6A
Output 2:	12V, 6A
Output 1 and 2 configured in parallel at output connector:	12V, 12A
Output 1 and 2 configured in series at output connector:	24V, 6A
Typical efficiency:	92.5%
Operational Temperature	-40 ~ 71°C
Certification	EN 50155
	EN 50121-3-2 European Rail Standard compliant