

HFBC250-2DW/O



The HFBC250-2DW - 250 W power for strong applications.

The DC/DC converter with 250 watts output power covers the input range from 14.4 V to 154 V with one device on a small footprint and flat design; all requirements according to EN 50155 and EN50121-3-2 including EMV06 are met. The converter is perfectly suited for use in PC boxes (CompactPCI Serial); in addition to the main output voltage, an auxiliary voltage of 5 V (5 W) is available.

The railway-specific EMC requirements (surge, burst, emission, immunity, etc.) are met without additional circuits. Other features are active inrush current limitation (30 A), active reverse polarity protection and protection against overcurrent, overvoltage and overtemperature (OVP, OCP, OTP). The integrated 10 ms hold up time helps the application in the event of a short-term power loss.

More information can be found in the data sheet.

FORTEC
POWER

Facts

Input:

14.4 V to 154 V (one device)

Output:

- 12 V, 24 V or 48 V

Auxiliary voltage:

- 5 V with 5 W

Power

- 250 W, continuous

Others

- Galvanically isolated
- Efficiency up to 95 %
- Temperature class OT4, ST1 and ST2 (-40 °C to 85 °C)
- OVP, OCP, OTP
- No minimum load
- Short-circuit proof
- Enable signal
- Inrush current limitation
- Reverse polarity protection
- Size: 170.25 x 100 x 42 mm
- Usage up to 3000 m
- EN 50155, EN 50121-3-2, EN 61373, EN 45545-2, EMV06

Applications

- Box-PCs
- Door opener
- Controls

Areas of application

- Railway and applications in harsh environmental