

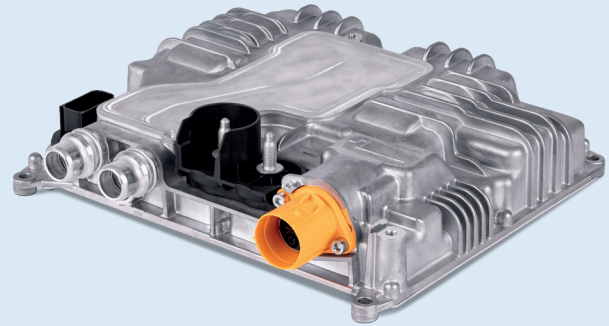
Zenith Series

High voltage DC-DC converter

Zenith Series

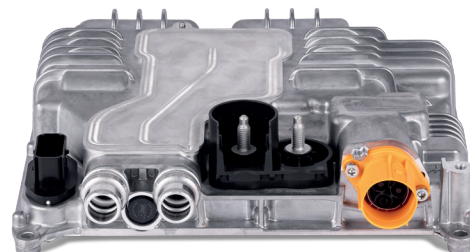
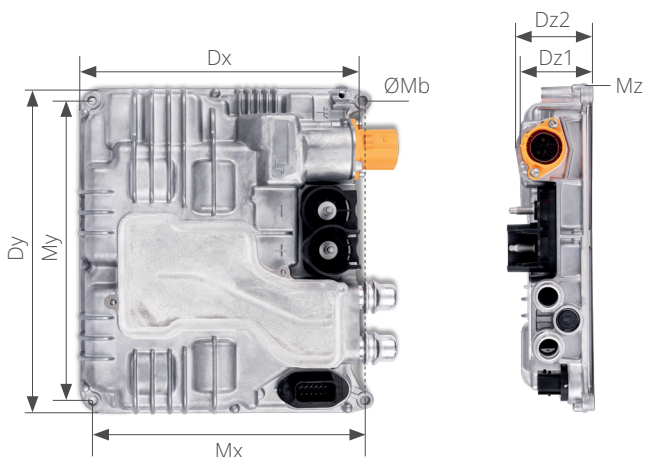
High Voltage DC-DC Converter

In Prodrive Technologies relentless pursuit of creating meaningful technologies it has propelled us to launch our standard high voltage dc-dc converter. Our ZEN800-24 is the starting point for a larger vision and goal for off-the-shelf solutions in which we will be growing this 800V series. The Zenith series is a welcomed addition to our much larger eMobility and Power Conversion Portfolio. This bi-directional DC-DC converter is scalable and very efficient solution for commercial, passenger, municipal, construction, and other high voltage electric vehicle applications.



MODEL SELECTION

Part Number	Power	Vin	Vout	Efficiency	Operating Temperature	Cooling method
ZEN800-24	5kW	800 (500-850)	24 (16-32)	95%	-40 to 85°C	Liquid (50/50 EGW)



PRODUCT FEATURES

- Bi-Directional Internal Precharge circuit
- 5kW Power Rating / Galvanically Isolated
- Small Form Factor: ~ 273 x 260 x 71 mm / 4kg
- UDS Diagnostics, HVIL
- Overvoltage, overcurrent, overtemperature
- CAN Interface J1939 / Parallelable
- ISO26262 / ECE R10 / ECE R155 / IATF 16949
- IP6K9K / 95% efficiency

DIMENSIONS

Parameter	Description	Typ	Unit
Dx	Zenith length x	260	[mm]
Dy	Zenith length y	273	[mm]
Dz1	Zenith length z	63	[mm]
Dz2	Zenith length z	71	[mm]
Mx	Zenith mounting position x	228	[mm]
My	Zenith mounting position y	251.5	[mm]
Mz	Zenith mounting position z	10	[mm]
Mb	Zenith mounting hole diameter	7.0	[mm]

MASS

Parameter	Description	Typ	Unit
D Horizon	Mass of Zenith (ZEN800-24)	4	[kg]

Information subject to change, contact us for more details:

WWW.PRODRIVE-TECHNOLOGIES.COM

SALES@PRODRIVE-TECHNOLOGIES.COM

+31 (0)40 2676200

PRODRIVE
TECHNOLOGIES