



EZdc DC to DC Converter

Standard Models

MODEL NAME	NOMINAL BATTERY VOLTAGE	OUTPUT	POWER
EZdc300-1248	36, 48V	13.8V	300 Watt
EZdc300-1280	80V		
EZdc300-2448	36, 48V	26.0V	
EZdc300-2480	80V		
EZdc450-1248	36, 48V	13.8V	450 Watt
EZdc450-1280	80V		
EZdc450-2448	36, 48V	26.0V	
EZdc450-2480	80V		
EZdc900-1248	36, 48V	13.8V	900 Watt
EZdc900-1280	80V		
EZdc900-2448	36, 48V	26.0V	
EZdc900-2480	80V		



TRIONIC
vehicle controls

General Features

- Isolated Switching Regulator
- Output power 300W, 450W and 900W max.
- Compact design
- Encapsulated IP65
- On / Off Key switch input
- Vibration resistant
- Wide input range
- Short circuit protection
- Contact cooling
- Connector Molex Mini-Fit Sr. 4281
- Over temperature protected



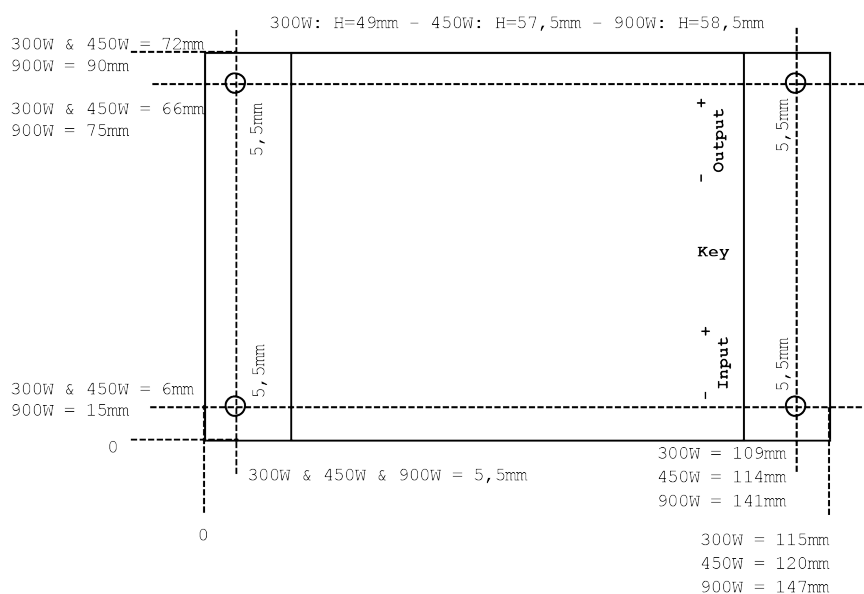
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Specifications

(after warm-up time at 25 °C)		
Regulation	-load variation 10-90 % static dynamic -input voltage variation +/-10%	typ.0,5%(max.1,0%) typ.1,0%(max.2,0%) typ.0,2%(max.0,5%)
Recovery time to +/-1%		typ.0,25ms(max.0,5ms)
Efficiency at full load	-typ. with 13,8V output -typ. with 26V output	typ. 86% typ. 87%
	Ripple and noise Switching spikes	1,5% U-out NOM typ. 100mVpp
	Conducted interference at input idle current input at 72VDC	≤ 1% pp.max ca./approx. 15mA
Ambient temperatures	-storage temperature range -operating temperature range -operating temperature range at full load (temperature at heat sink) -temperature coefficient	-40 °C...+105 °C -40 °C...+105 °C -40 °C...+70 °C coefficient 0,05 % / °K
	humidity	100 % RH
	Switching frequency	typ. 110 kHz
	Break down voltage input/output Isolated resistance	1000 VDC / 1 min. 100 MΩ
	Output short circuit protected by switch off	ca. 120 % I-nom

Mechanical Drawing



EUROPE
Trionic Mobility Systems, SAS

AMERICAS
PG Trionic, Inc.

ASIA
Trionic Shenzhen Ltd.

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