

# DC/DC Converters

## TZL Series, 60 – 300 Watt

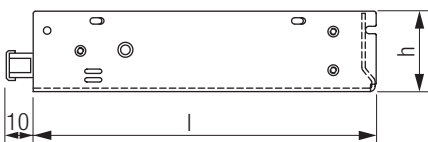
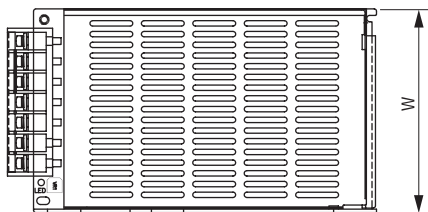
- Compact Metal Case with Screw Terminal Block
- Models with 60W, 100W, 150W and 300W
- Wide 2:1 Input Range
- I/O Isolation 1500 VDC
- Input Reverse Polarity Protection
- Soft Start, Low Inrush Current
- Overload and Short Circuit Protection
- EMC Compliance with EN61000-6-1 and EN 50082-1
- Adjustable Output Voltage
- Cost-optimized Design

**NEW  
Product**



Models			
Order code	Input voltage	Output voltage	Output current max.
TZL 060-2412	18 – 36 VDC	12 VDC	5.0 A
TZL 060-2424		24 VDC	2.5 A
TZL 060-4812	36 – 72 VDC	12 VDC	5.0 A
TZL 060-4824		24 VDC	2.5 A
TZL 100-2412	18 – 36 VDC	12 VDC	8.5 A
TZL 100-2424		24 VDC	4.2 A
TZL 100-4812	36 – 72 VDC	12 VDC	8.5 A
TZL 100-4824		24 VDC	4.2 A
TZL 150-2412	18 – 36 VDC	12 VDC	12.5 A
TZL 150-2424		24 VDC	6.3 A
TZL 150-4812	36 – 72 VDC	12 VDC	12.5 A
TZL 150-4824		24 VDC	6.3 A
TZL 300-2412	18 – 36 VDC	12 VDC	25.0 A
TZL 300-2424		24 VDC	12.5 A
TZL 300-4812	36 – 72 VDC	12 VDC	25.0 A
TZL 300-4824		24 VDC	12.5 A

- Line regulation:** ±1.0% max.
- Load regulation:** ±1.0%
- Output voltage adjustment:** ±10% (by internal potentiometer)
- Ripple & Noise:**
  - 12 VDC output models: <100 mV pk-pk (20 MHz BW)
  - 24 VDC output models: <150 mV pk-pk (20 MHz BW)
- Conducted EMI:** EN 55011 class B, EN 55022 class B and FCC, Level B
- EMC immunity:** EN 61000-6-1 (light industry)
- Short circuit protection:** foldback, automatic recovery
- Efficiency:** 80% typical
- Operating temperature range:** -10°C to +60°C  
above 50°C derating 2.5%/°C
- I/O isolation voltage:** 1500 VDC
- Safety standards:** cUL /UL 60950, IEC/EN 60950
- Case:** aluminium / steel



( ) = Inches

Dimensions			
Type	Length l	Width w	Height h
TZL 060	159 (6.26)	95 (3.74)	38 (1.50)
TZL 100	198 (7.80)	95 (3.74)	38 (1.50)
TZL 150	198 (7.80)	99 (3.90)	50 (1.97)
TZL 300	212 (8.35)	115 (4.53)	50 (1.97)



T H E X P E R T S I N P O W E R