

# DC-DC Converters

**POWER  
SOLVE**

## TEN25WI Series, 25-30 Watt

[www.powersolve.co.uk](http://www.powersolve.co.uk)

### Features

- Ultra wide 4:1 input range
- High efficiency up to 89%
- I/O isolation 1500VDC
- Operating temperature range -40°C to +85°C
- Short circuit protection
- Adjustable output voltages
- Remote On/Off
- High power density in a 50.8 x 40.6 x 9.3 mm metal package



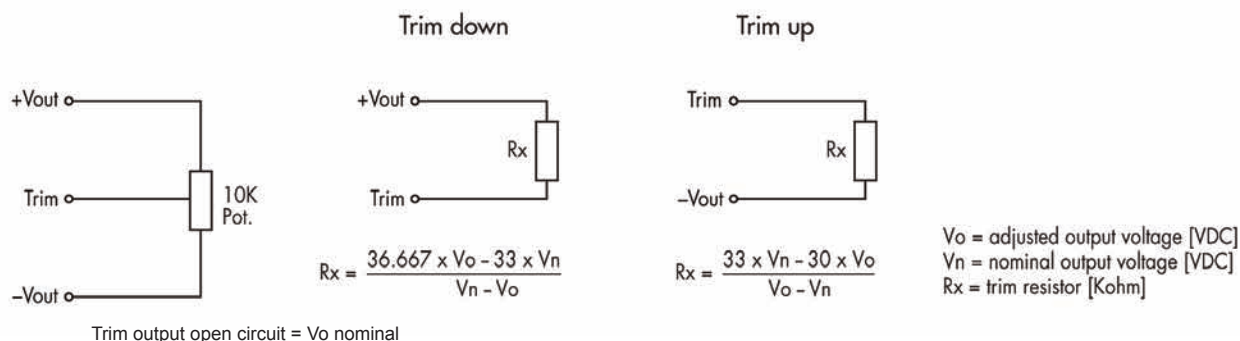
### Electrical Specification

Output Voltage Adjustment	±10% by external resistor
Conducted EMI	EN55022 class A & FCC level A (internal filter)
Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +85°C (derate at 2.0%/k above 55°C)
Thermal protection	Shutdown at 115°C
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1
Casing	nickel plated copper, 6-side shielded with insulated baseplate
Remote On/Off	Shutdown input for low input current (5mA) in standby operation

### Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF.
TEN25-2410WI	10 - 40VDC	3.3VDC	5500mA	80mV pk-pk max.	0.5%	1.0%	82%
TEN25-2411WI		5VDC	5000mA	80mV pk-pk max.	0.5%	1.0%	85%
TEN25-2412WI		12VDC	2500mA	80mV pk-pk max.	0.5%	1.0%	89%
TEN25-2413WI		15VDC	2000mA	80mV pk-pk max.	0.5%	1.0%	89%
TEN25-2422WI		±12VDC	±1250mA	80mV pk-pk max.	0.5%	2.0%	89%
TEN25-2423WI	18 - 75VDC	±15VDC	±1000mA	80mV pk-pk max.	0.5%	2.0%	89%
TEN25-4810WI		3.3VDC	5500mA	80mV pk-pk max.	0.5%	1.0%	82%
TEN25-4811WI		5VDC	5000mA	80mV pk-pk max.	0.5%	1.0%	85%
TEN25-4812WI		12VDC	2500mA	80mV pk-pk max.	0.5%	1.0%	89%
TEN25-4813WI		15VDC	2000mA	80mV pk-pk max.	0.5%	1.0%	89%
TEN25-4822WI		±12VDC	±1250mA	80mV pk-pk max.	0.5%	2.0%	89%
TEN25-4823WI		±15VDC	±1000mA	80mV pk-pk max.	0.5%	2.0%	89%

### Output Voltage Adjustments



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Pin	Single Output	Dual Output
1	+Vin (Vcc)	+Vin (Vcc)
2	-Vin (GND)	-Vin (GND)
3	Remote On/Off	Remote On/Off
4	No Pin	+Vout
5	+Vout	Common
6	-Vout	-Vout
7	Trim	Trim

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