



# TRUMPower

## DC/DC CONVERTERS

# TAEW-H6 Series

## 4:1 Input, 6KV Isolated, 3W

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER		
			9-40 VDC IN	18-80 VDC IN	36-160 VDC IN
5 VDC 12 VDC 15 VDC	600 mA 250 mA 200 mA	3W 3W 3W	TAEW-3S2405H6 TAEW-3S2412H6 TAEW-3S2415H6	TAEW-3S4805H6 TAEW-3S4812H6 TAEW-3S4815H6	TAEW-3S11005H6 TAEW-3S11012H6 TAEW-3S11015H6
±5 VDC ±12 VDC ±15 VDC	±300 mA ±125 mA ±100 mA	3W 3W 3W	TAEW-3D2405H6 TAEW-3D2412H6 TAEW-3D2415H6	TAEW-3D4805H6 TAEW-3D4812H6 TAEW-3D4815H6	TAEW-3D11005H6 TAEW-3D11012H6 TAEW-3D11015H6

Other input/output combinations available upon request.

### ELECTRICAL SPECIFICATIONS

All Specifications Typical @ +25°C, Nominal Line, and Full Load Unless Otherwise Noted.

### INPUT SPECIFICATIONS

Input Voltage.....See Table  
Nominal Input.....24, 48, 110 VDC  
Input Filter.....Pi Network

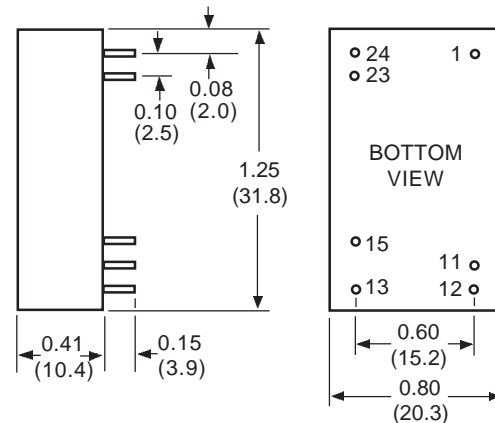
### OUTPUT SPECIFICATIONS

Voltage Accuracy.....±1%, Max.  
Voltage Balance, Balance Load.....±2%, Max.  
Line Regulation.....±0.5%, Max.  
Load Regulation, 10%FL-FL.....±1%, Max.  
Minimum Load.....15%, Each Output  
Ripple and Noise, 20MHz BW.....75 mVp-p, Max.  
Short Circuit Protection.....Continuous, Auto-Restart  
Temperature Coefficient.....±0.02%/C, Max.

### GENERAL SPECIFICATIONS

Efficiency.....79-83%  
Isolation Voltage, Input to Output.....6,000 VDC, Min.  
Isolation Resistance.....10<sup>9</sup> Ohms, Min.  
Isolation Capacitance.....13pF, Max.  
Switching Frequency.....130 kHz, Typ.  
Operating Temperature, No Derating.....-25°C to +75°C  
Storage Temperature Range.....-40°C to +125°C  
Cooling.....Free Air Convection  
MTBF per MIL-HDBK-217F @25°C.....1M Hours  
Safety Standards....Designed to meet UL 60950, EN60950  
Conducted EMI.....Meets EN55022 Class A  
Weight.....0.47 oz. (14 grams)  
Case Material.....Black Plastic, UL 94V-0 Rated

PIN CONNECTIONS		
PIN	SINGLE	DUAL
1	+V Input	+V Input
11	No Pin	Common
12	-V Output	No Pin
13	+V Output	-V Output
15	No Pin	+V Output
23,24	-V Input	-V Input



PIN SIZE: 0.02 (0.5) DIA.

ALL DIMENSIONS IN INCHES (mm)