

# AC/DC WALL MOUNT ADAPTER

## 12 - 56VDC 65W

### TEAMW65I



#### Features:

- GaN Technology
- Class II Double Insulated (2 x MOPP Compliance)
- Efficiency Level VI
- CoC Tier II
- Compact Size
- Short circuit/over-voltage/over-current/over-temperature



\*Safety approvals may be model dependent. Consult TT Electronics for specifics or for additional safety approvals required.

#### Description:

The TEAMW65I series of AC/DC wall mount switching power supplies provide up to 65 watts of continuous power. They are Class II devices with interchangeable AC plugs that provide ease of use in several regions throughout the world. All models meet FCC and EN55011 class B emission limits, and comply with UL, IEC, CE, and more.

Model	Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)
TEAMW65I-12	12VDC	5A	60W	±5%	±1%	180mV
TEAMW65I-13	15VDC	4A	60W	±5%	±1%	180mV
TEAMW65I-13-2	19VDC	3.42A	65W	±5%	±1%	240mV
TEAMW65I-14	24VDC	2.71A	65W	±5%	±1%	240mV
TEAMW65I-17	36VDC	1.81A	65W	±5%	±1%	360mV
TEAMW65I-18	48VDC	1.35A	65W	±5%	±1%	560mV
TEAMW65I-19-1	56VDC	1.16A	65W	±5%	±1%	560mV

#### Notes:

1. Output ripple and noise is measured within a limited bandwidth of 20MHz, with a 0.1μF ceramic capacitor and a 47μF electrolytic capacitor in parallel with the device output.
2. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3. Max. Power (W)  $\geq V_o \times I_o$
4. Shipped with USA AC Blades; others ordered separately.

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#### Specifications:

Input	
Input Voltage	90 - 264VAC
Input Frequency	47 - 63Hz
Input Current	≤2A
Inrush Current (Typical)	≤120A at 230VAC, cold start
No Load Power Consumption	Meets DOE Level VI and CoC Tier II requirements
Output	
Total Output Power	See Table
Output Voltage	See Table
Hold Up Time (Typical)	≥8.3mS at 115VAC, full load
Turn on Delay	≤3S
Protection Features	
Over-voltage	Auto-Recovery
Over-current	Auto-Recovery
Over-temperature	Auto-Recovery
Short Circuit	Auto-Recovery
Environmental	
Operating Temperature	0° - +60°C (See Derating Curve)
Storage Temperature	-20° - +85°C
Operating Humidity	10% - 90% non-condensing
Storage Humidity	5% - 95% non-condensing
Altitude	<5000m operational and storage

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#### Specifications:

General Specifications	
Dimensions	2.95"(75mm)L x 2.95"(75mm)W x 1.18"(30mm)H
Weight	2.09lb (300g)
MTBF	>100,000 hours per MIL-HDBK-217F at full load and 25°C ambient
AC Input Connector	Interchangeable Plugs
DC Output Connector	2.5x5.5mm straight barrel (Others available upon request)
Safety	
Approvals	IEC 62368-1 IEC 60601-1 EN 60601-1 UL 60601-1
Isolation	4000VAC input to output, 2 x MOPP
*Safety approvals may be model dependent. Consult TT Electronics for specifics or for additional safety approvals required.	
EMC	
Conducted Emission	EN55011, EN55032, FCC PART 15 (Class B)
Radiated Emission	EN55011, EN55032, FCC PART 15 (Class B)
Electrostatic Discharge	IEC61000-4-2:2008 (±15kV air, ±8kV contact)
Radiated Immunity	IEC61000-4-3:2006+A1:2007+A2:2010 (10V/m)
EFT/Burst	IEC61000-4-4:2012 (±2kV)
Surge Immunity	IEC61000-4-5:2014/AMD1:2017 (1kV diff)
Conducted Immunity	IEC61000-4-6:2013 (3Vrms)
Power Frequency Magnetic Field Immunity	IEC61000-4-8:2009 (30A/m)
Dips/Interruptions	IEC61000-4-11:2004 (<5% dip 0.5 periods, 70% dip 25 periods, <5% interruptions 250 periods)

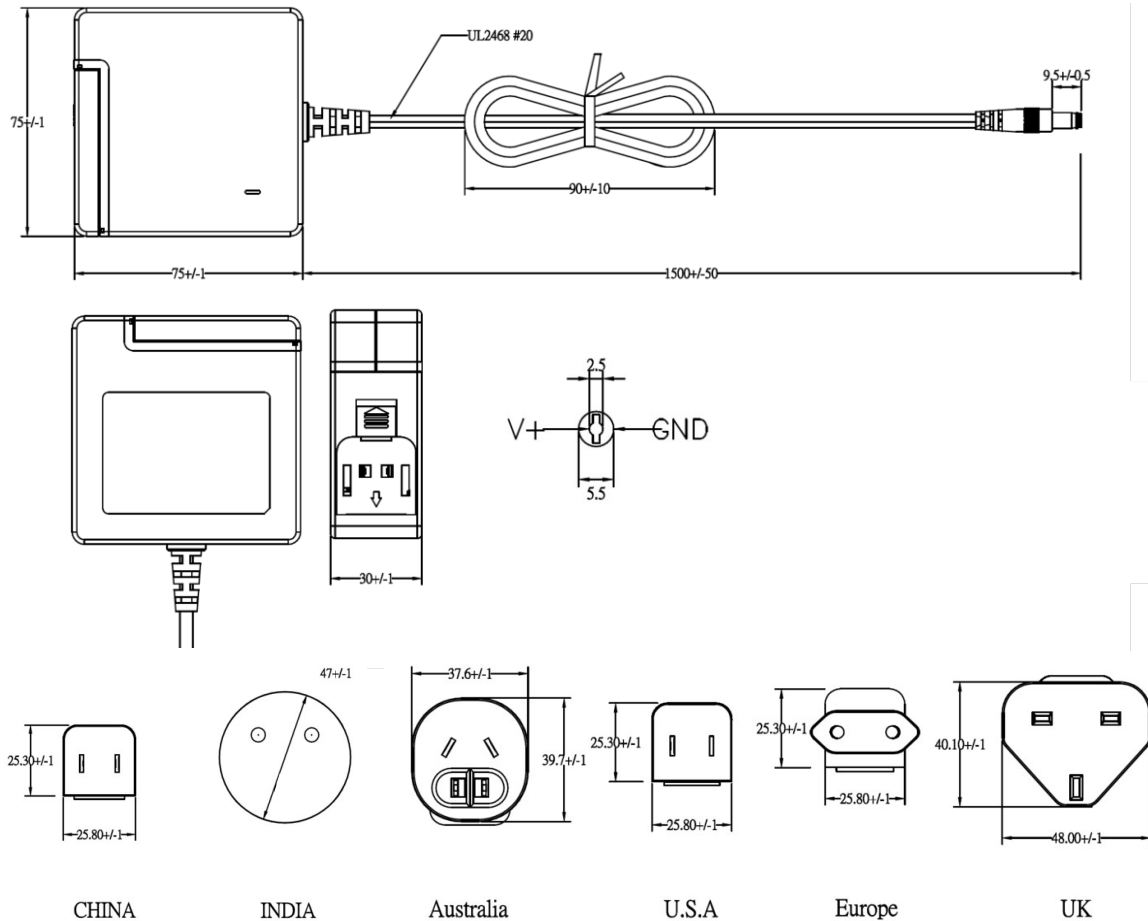
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#### Mechanical Outline:



#### Derating Curve:

