



TRUMPower

TTA65 Series

60-65 Watts ITE Grade AC/DC Power Adapters

FEATURES

- IEC 320/C6, C8, C14 AC Inlets
- 12V to 56V Output Voltages
- Energy Efficiency Level VI
- NRCan/GEMS Level VI & ErP Stage II Compliant
- LED Power Indicator
- UL, cUL, TUV, CCC, PSE, RCM, LPS Approvals
- Competitively Priced

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Input Frequency	47-63 Hz
Input Current	1.4A max. for 65W
Inrush Current	80A @ 240 VAC, at 25°C cold start
Earth Leakage Current	350 µA max. @ 240 VAC, 60Hz

OUTPUT SPECIFICATIONS

Output Power Ratings	See models list
No Load Power Cons.	0.21W max.
Line Regulation	±1% max.
Load Regulation	±5% max.
Ripple and Noise*	1% peak to peak max. @ full load
Oversupply Protection	Set at 150% of its nominal output voltage; Latch off
Overcurrent Protection	Set at 180% of its nominal input voltage; Shut down
Short Circuit Protection	Auto recovery
Temperature Coefficient	±0.04%/°C max.
Transient Response	0.5 ms @ 50% load change

*Measured with 20MHz bandwidth at rated line voltage and output load ranges, with a 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor in parallel across the output.

GENERAL SPECIFICATIONS

Power Factor	0.95 min.
Efficiency	89% min @ full load
Hold-Up Time	10ms @ full load
Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +80°C
Operating Humidity	20 to 80% non-condensing
Storage Humidity	10 to 90% non-condensing
Withstand Voltage	3,000 VAC, input-output 1,500 VAC, input-ground (Class I)
MTBF	300 Khrs minimum at full load, 25°C ambient, calculated per Telcordia SR-332

STANDARDS & COMPLIANCES

EN 55022 & FCC	Class B, conducted & radiated
EN 61000-3-2	Harmonic distortion, Class A & D
EN 61000-3-3	Line flicker
EN 61000-4-2	ESD, ±8 KV air and ±6 KV contact
EN 61000-4-3	Radiated immunity, 3V/m
EN 61000-4-4	Fast transient/burst, ±2 KV
EN 61000-4-5	Surge, ±1 KV diff., ±2 KV com.
EN 61000-4-6	Conducted immunity, 3 Vrms
EN 61000-4-8	Magnetic field immunity, 3A/m



STANDARDS & COMPLIANCES (CONT.)

EN 61000-4-11	Voltage dip immunity, 30% reduction for 500ms, 60% reduction for 100ms, >95% reduction for 10ms
Safety Standards	UL/IEC/EN 60950-1 (2 nd Edition)
Agency Approvals	UL, cUL, TUV/GS, PSE, CCC, CE, CB, RCM, BSMI, LPS

Other Compliances

RoHS, Energy Star 2.0, CEC Level VI, ErP Stage II, NRCan/GEMS Level VI

MODELS LIST

Product No. ⁽¹⁾	Output Voltage	Maximum Current	Maximum Power
TTA65-12	12V	5A	60W
TTA65-13.5	13.5V	4.82A	65W
TTA65-15	15V	4.34A	65W
TTA65-16	16V	4.07A	65W
TTA65-18	18V	3.62A	65W
TTA65-19	19V	3.43A	65W
TTA65-20	20V	3.25A	65W
TTA65-24	24V	2.71A	65W
TTA65-30	30V	2.17A	65W
TTA65-32	32V	2.04A	65W
TTA65-48	48V	1.36A	65W
TTA65-56	56V	1.17A	65W

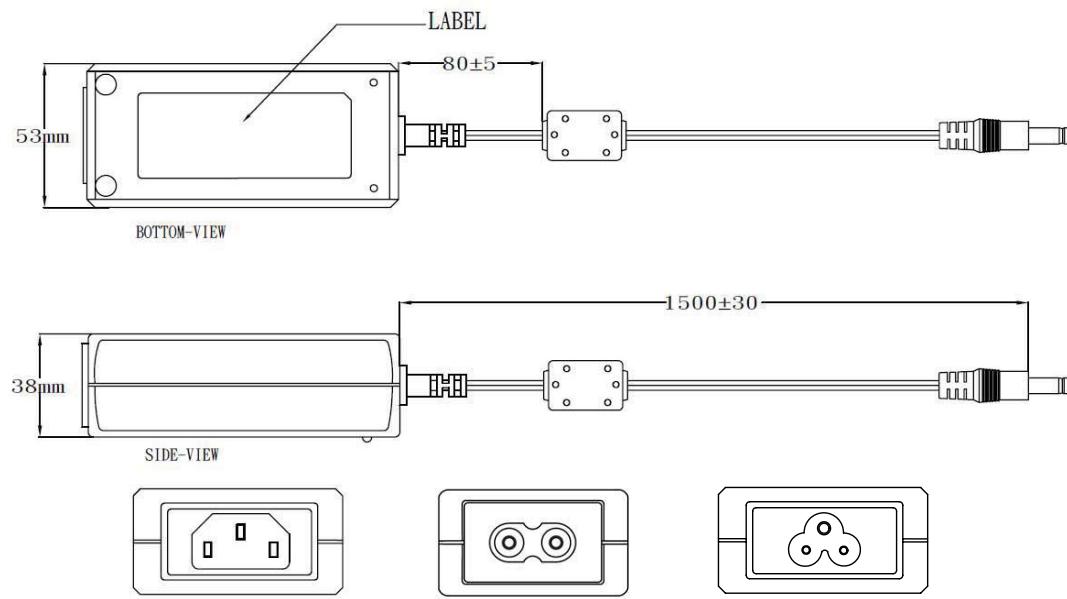
Notes:

- 1) Add suffix "-4" for models equipped with IEC 320/C14 AC inlet, "-6" for C6 inlet, "-8" for C8 inlet, e.g. TTA65-12-4, TTA65-19-6, TTA65-24-8, etc.

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MECHANICAL SPECIFICATIONS



Notes:

1. Unit: mm
2. Tolerance: 0.5mm maximum, unless otherwise stated.
3. Weight: 310g (0.69 lbs) approx.
4. Standard output connector: 2.5x5.5x9.5mm barrel plug.
5. Contact TRUMPower for output connector options.