



**FEATURES**

- IEC 320 C6 & C8 Inlets
- 19.5V @ 3.33A Output Power
- 7.4 x 5.1mm & 4.5 x 2.9mm DC Plugs
- Dell Laptops Compatible Smart Charging Pin
- Class I & Class II with 2 MOPP
- LED Power Indicator
- IEC/EN/UL 60601-1 Ed. 3.1 Approved
- CEC, DoE Level VI & ErP Stage 2 Compliant



**INPUT SPECIFICATIONS**

Input Voltage Range .....	90-264 VAC
Input Frequency .....	47-63 Hz
Input Current .....	1.6A rms @ 115 VAC
	0.7A rms @ 230 VAC
Inrush Current .....	80A @ 230 VAC, at 25°C cold start
Touch Current .....	100 µA max. @ 240 VAC
Earth Leakage Current .....	300 µA max. @ 240 VAC (Class I)

**OUTPUT SPECIFICATIONS**

Output Voltage .....	19.5V DC
Output Current .....	3.33A max.
Output Power .....	65W max.
No Load Power Cons. ....	0.05W typical
Line Regulation .....	±1% max.
Load Regulation .....	±5% max.
Ripple and Noise* .....	1% peak to peak max.
Overvoltage Protection .....	Set at 150% of its nominal output voltage; Shutdown
Short Circuit Protection .....	Shutdown; Auto recovery
Overcurrent Protection .....	Set at 170% of its nominal input voltage; Shutdown
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 lower ERS electrolytic capacitor in parallel with a 0.1µF multilayer capacitor in parallel across the output at nominal input and full load.

**GENERAL SPECIFICATIONS**

Power Factor .....	0.9 min.
Average Efficiency .....	88% min.
Hold-up Time .....	10 ms @ 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 .....	4,000 VAC, input-output (2 MOPP)
	1,500 VAC, input-ground (1 MOPP)
MTBF .....	300 kHrs minimum at full load, 25°C ambient, calculated per Telecordia SR-332

**MODELS LIST**

Product No.	AC Inlet	Output Connector	Class
TDM65-19.5-6-DL	C6	7.4 x 5.1mm	I
TDM65-19.5-8-DL	C8	7.4 x 5.1mm	II
TDM65-19.5-6-DLS	C6	4.5 x 2.9mm	I
TDM65-19.5-8-DLS	C8	4.5 x 2.9mm	II

**STANDARDS & COMPLIANCE**

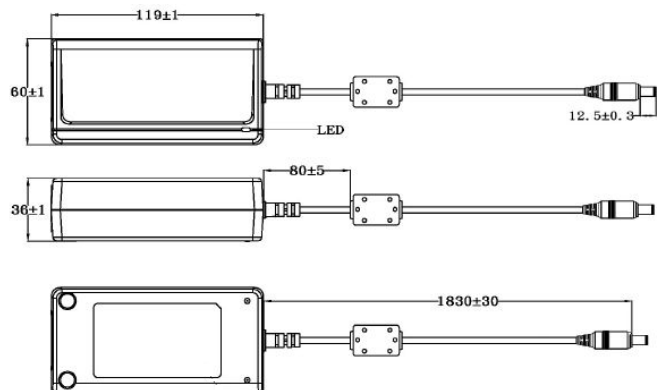
IEC 60601-1-2:2014 .....	EMC & Immunity Performance
EN 55011, CISPR 11, FCC ...	Class B, conducted & radiated
EN 61000-3-2 .....	Harmonic distortion, Class A
EN 61000-3-3 .....	Line fluctuations & flicker
EN 61000-4-2 .....	ESD, ±15 KV air and ±8 KV contact
EN 61000-4-3 .....	Radiated immunity, 10V/m
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, 6 Vrms
EN 61000-4-8 .....	Magnetic field immunity, 30A/m
EN 61000-4-11 .....	Voltage dip immunity, 30% reduction for 500ms, 60% reduction for 100ms, >95% reduction for 10ms
Safety Standards .....	IEC/EN/UL 60601-1 (Edition 3.1) ANSI/AAMI ES 60601-1 (2012), CSA C22.2 No. 60601-1 (2014), IEC/EN 60950-1 (2nd Edition)
Agency Approvals .....	UL, cUL, TUV, PSE, CE, CB
Other Compliance .....	REACH, RoHS, CEC/DoE Level VI, ErP Stage II

# TDM65-DL & TDM65-DLS

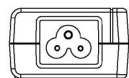
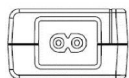
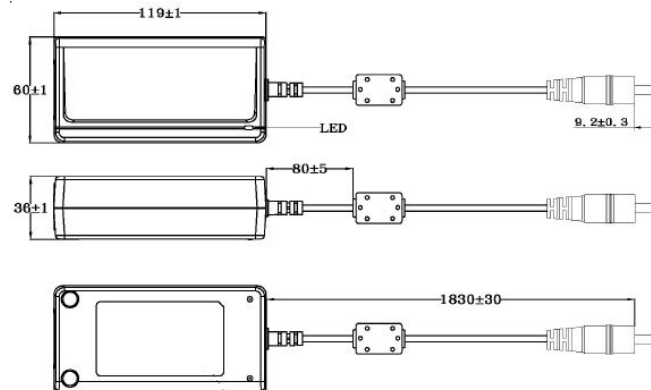
## Medical Grade 65W Power Adapters for Dell Laptops

### MECHANICAL SPECIFICATIONS

#### TDM65-19.5-6-DL, TDM65-19.5-8-DL



#### TDM65-19.5-6-DLS, TDM65-19.5-8-DLS



#### Notes:

1. Unit: mm
2. Weight: 310 grams approx.