

APPENDIX A. SPECIFICATIONS

Note: All specifications subject to change without notice.

Input Power	
100/120 V model:	90 - 132 VAC, 47 Hz - 63 Hz
220/240 V model:	198 - 264 VAC, 47 Hz - 63 Hz
Fuses	
100/120 V units:	PowerPac 200: 5 A, 125 V, 5mm x 20mm, Type T PowerPac 300: 2.5 A, 125 V, 5mm x 20mm, Type T
220/240 V units:	PowerPac 200: 2.5 A, 250 V, 5mm x 20mm, Type T PowerPac 300: 2.5 A, 250 V, 5mm x 20 mm, Type T
Input Power Cord:	3-wire; grounded
Output (Programmable)	Constant voltage, constant current; with automatic crossover
Voltage:	PowerPac 200: 5 V to 200 V, fully adjustable in 1 V steps PowerPac 300: 10 V to 300 V, fully adjustable in 1 V steps
Current:	PowerPac 200: 0.01 A to 2.00 A, fully adjustable in .01 A steps PowerPac 300: 5 mA to 400 mA, fully adjustable in 1 mA steps
Power (max.):	PowerPac 200: 200 W PowerPac 300: 75 W
Terminals:	4-pair recessed female banana jacks, floating in parallel
Timer Control:	001 to 999 minutes, fully adjustable
Resolution	
Ripple:	PowerPac 200: $\pm 1\%$ @ 200 V and 200 W PowerPac 300: $\pm 1\%$ @ 300 V and 75 W
Line Regulation:	PowerPac 200: $\pm 0.5\%$ @ 200 V and 180 W from 90 - 132 V AC or 198 - 264 V AC PowerPac 300: $\pm 1\%$ @ 300 V and 75 W from 90 - 132 V AC or 198 - 264 V AC
Load Regulation:	PowerPac 200: $\pm 1\%$ @ 200 V for a 50% change in output load PowerPac 300: $\pm 1\%$ @ 300 V for a 50% change in output load
Drift:	PowerPac 200: $\pm 0.5\%$ after 30 min. warm up at 200 V and 180 W PowerPac 300: $\pm 1\%$ after 30 min. warm up at 300 V and 75 W
Noise:	PowerPac 200: 30 dBA PowerPac 300: 27 dBA
Readout Stability	
Volts:	PowerPac 200: ± 1 V PowerPac 300: ± 1 V
Current:	PowerPac 200: ± 10 mA PowerPac 300: ± 1 mA

Safety Features

No load detection:	Indicated by error message on LED display
Sudden load change detection:	Indicated by error message on LED display
Overload/short circuit protection:	Indicated by error message on LED display; fuse on both hot and neutral
Ground Leak Detection: (PowerPac 200 only)	Indicated by error message on LED display if the ground current is greater than 500 μ A.
Auto power up after power failure:	User-selectable, setup values maintained
Safety Compliance:	I.E.C. 1010
EMI	Conforms to CE standards for Emissions and Immunity; tested only at 220 V. See Declaration of Conformity for details. TUV EMC certification.

Display Functions: 3-digit LED displays voltage, current, time

Function Modes: Constant voltage, constant current, timer
User-selectable automatic power-up after power failure

Environmental

Operating Temp.: 0 - 40°C
Humidity: 0 - 95%, in the absence of condensation

Dimensions: 29 (L) x 21 (W) x 8 (H) cm.
Unit is stackable

Weight: PowerPac 200: 2.4 kg
PowerPac 300: 1.8 kg