5 kW, 10 kW and 15 kW



FEATURES

- ❑ 3-Phase Input Power
- ❑ Low Peak-to-Peak Ripple and Noise
- ❑ CE, TUV, UL & CUL
- ❑ Optional IEEE 488.2, RS 232 and/or RS 485 Remote Programming with SCPI Protocol

The P83 Series 3-phase supplies provide up to 15 kW DC output and occupies only 5.25" vertical rack height (3U).

SPECIFICATIONS

- ❑ Input Voltage
  190 – 253 VAC, 47 – 63 Hz (Standard)
  360 – 440 VAC, 47 – 63 Hz (Option)
  432 – 528 VAC, 47 – 63 Hz (Option)
- ❑ Input Current @ 208 VAC (Typical)
  At 5 kW Output: 20 A
  At 10 kW Output: 38 A
  At 15 kW Output: 56 A
- ❑ Operates from Delta or Wye Source

TYPICAL MODEL NUMBER

- ❑ P83C-100150 (See page 19 for part numbering system)
  Input: 190 – 253 VAC, 3-phase
  Output: 0 – 100 VDC @ 150 A

MECHANICAL

- ❑ Weight: 5 kW, 40 Lbs.
  10 kW, 60 Lbs.
  15 kW, 80 Lbs.
- ❑ Dimensions: 19" (W) X 5.25" (H) X 22" (D)
  (See page 15 for outline drawing)
- ❑ AC Input Interface:
  3 wire + GND (#10-32 threaded studs)
- ❑ DC Output Interface: Two 3/8" threaded studs.
- ❑ Control/Monitor Interface:
  DB 25-pin female connector
  (See page 20 for pin designations)

P83 SERIES 3-PHASE MODELS

Model Number	Output DC Volts	Output DC Amps	Output P-to-P Ripple[1]
P83C-8062	0 – 80	62	100 mV
P83C-80125	0 – 80	125	100 mV
P83C-80187	0 – 80	187	100 mV
P83C-10050	0 – 100	50	125 mV
P83C-100100	0 – 100	100	125 mV
P83C-100150	0 – 100	150	125 mV
P83C-13038	0 – 130	38	135 mV
P83C-13076	0 – 130	76	135 mV
P83C-130115	0 – 130	115	135 mV
P83C-15033	0 – 150	33	150 mV
P83C-15066	0 – 150	66	150 mV
P83C-150100	0 – 150	100	150 mV

Model Number	Output DC Volts	Output DC Amps	Output P-to-P Ripple[1]
P83C-20025	0 – 200	25	175 mV
P83C-20050	0 – 200	50	175 mV
P83C-20075	0 – 200	75	175 mV
P83C-25020	0 – 250	20	200 mV
P83C-25040	0 – 250	40	200 mV
P83C-25060	0 – 250	60	200 mV
P83C-30016	0 – 300	16	200 mV
P83C-30033	0 – 300	33	200 mV
P83C-30050	0 – 300	50	200 mV
P83C-40012	0 – 400	12	225 mV
P83C-40025	0 – 400	25	225 mV
P83C-40037	0 – 400	37	225 mV

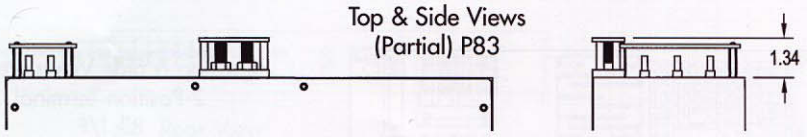
1. Peak-to-peak ripple and noise is over the entire range of the power supply as measured in the voltage mode at the end of a 6-foot cable across a 1μf film capacitor into a resistive load.

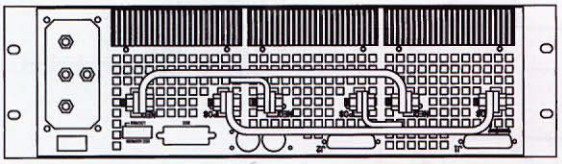
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9250 Brown Deer Road, San Diego, California 92122
Phone: (800) 978-6680 or (858) 458-0253
FAX: (858) 458-0237 • www.powerten.com



- AC Input Interface: 3 wire + GND (#10-32 threaded studs)
- DC Output Interface:
  - P63: Bus bars with 0.390" interface holes for output ≤60 VDC
    Two 3/8" threaded studs for output ≥80 VDC
  - D3: Bus bars with 0.390" interface holes
  - P83: Two 3/8" threaded studs
- Control/Monitor Interface: DB 25-pin female connector (See page 20 for pin designations)
- Weight: <80 lbs.

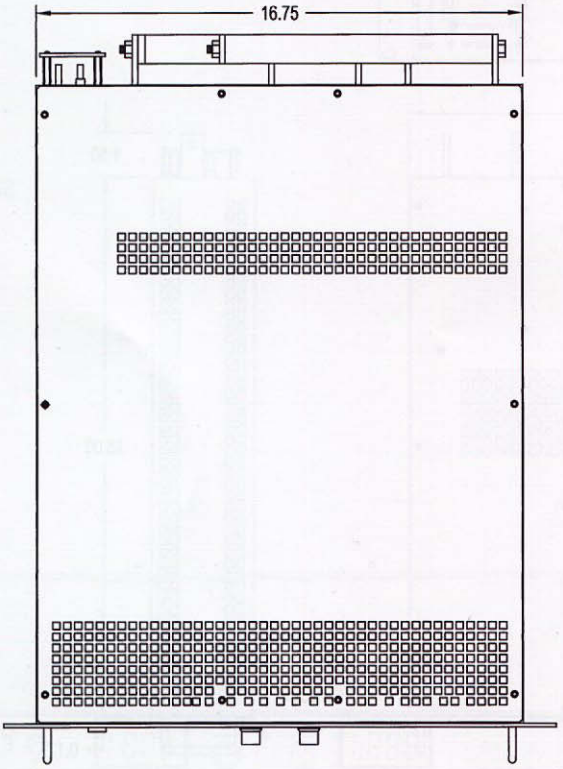
Top & Side Views (Partial) P83

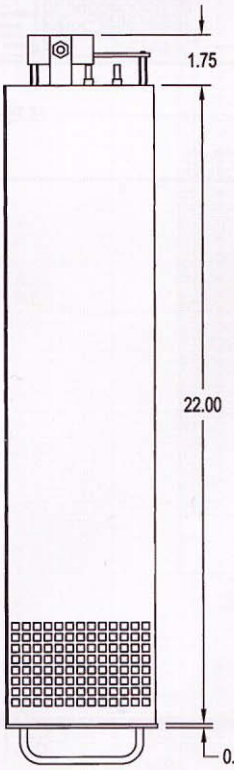




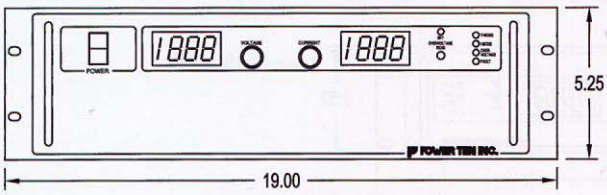
Rear View P63

Top View P63 & D3

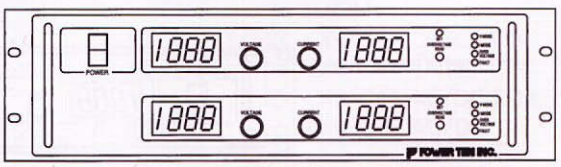




Side View P63 & D3



Front View P63 & P83



Front View D3

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