



20 kW, 25 kW and 30 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 P86 Series 3-phase supplies provide up to 30 kW DC output and occupies only 10.5" vertical rack height (6U).

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 20 kW Output: 74 A
 - At 25 kW Output: 92 A
 - At 30 kW Output: 110 A
- ❑ Operates from Delta or Wye Source

TYPICAL MODEL NUMBER

- ❑ P86C-100300 (See page 19 for part numbering system)
 - Input: 190 – 253 VAC, 3-phase
 - Output: 0 – 100 VDC @ 300 A

MECHANICAL

- ❑ Weight:
 - 20 kW, 120 Lbs.
 - 25 kW, 140 Lbs.
 - 30 kW, 160 Lbs.
- ❑ Dimensions: 19" (W) X 10.5" (H) X 22" (D)
(See page 17 for outline drawing)
- ❑ AC Input Interface:
 - 3 wire + GND (#10-32 threaded studs)
- ❑ DC Output Interface: Two 5/8" threaded studs
- ❑ Control/Monitor Interface:
 - DB 25-pin female connector
 - (See page 20 for pin designations)

P86 SERIES 3-PHASE MODELS

Model Number	Output DC		Output P-to-P Ripple ¹
	Volts	Amps	
P86C-80250	0 – 80	250	100 mV
P86C-80312	0 – 80	312	100 mV
P86C-80375	0 – 80	375	100 mV
P86C-100200	0 – 100	200	125 mV
P86C-100250	0 – 100	250	125 mV
P86C-100300	0 – 100	300	125 mV
P86C-130153	0 – 130	153	135 mV
P86C-130192	0 – 130	192	135 mV
P86C-130230	0 – 130	230	135 mV
P86C-150133	0 – 150	133	150 mV
P86C-150166	0 – 150	166	150 mV
P86C-150200	0 – 150	200	150 mV

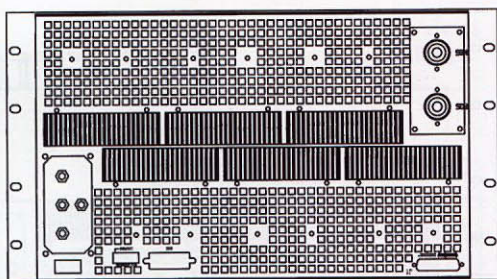
Model Number	Output DC		Output P-to-P Ripple ¹
	Volts	Amps	
P86C-200100	0 – 200	100	175 mV
P86C-200125	0 – 200	125	175 mV
P86C-200150	0 – 200	150	175 mV
P86C-25080	0 – 250	80	200 mV
P86C-250100	0 – 250	100	200 mV
P86C-250120	0 – 250	120	200 mV
P86C-30066	0 – 300	66	200 mV
P86C-30083	0 – 300	83	200 mV
P86C-300100	0 – 300	100	200 mV
P86C-40050	0 – 400	50	225 mV
P86C-40062	0 – 400	62	225 mV
P86C-40075	0 – 400	75	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.

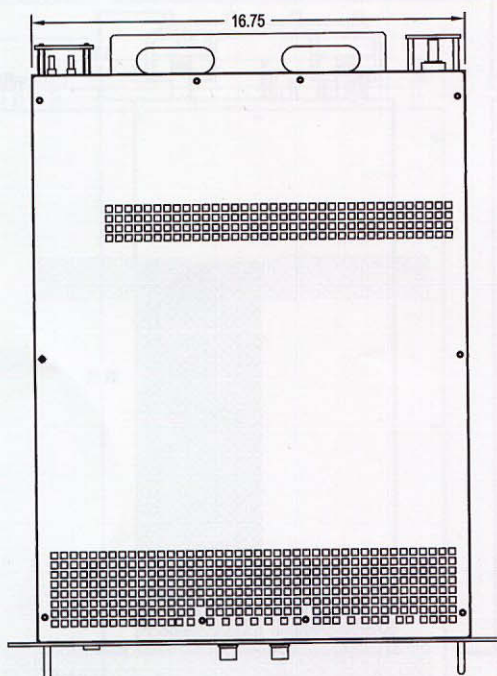


- ❑ AC Input Interface: 3 wire + GND (#10-32 threaded studs)
- ❑ DC Output Interface: Two 5/8" threaded studs
- ❑ Control/Monitor Interface: DB 25-pin female connector
(See page 20 for pin designations)
- ❑ Weight: <160 lbs.

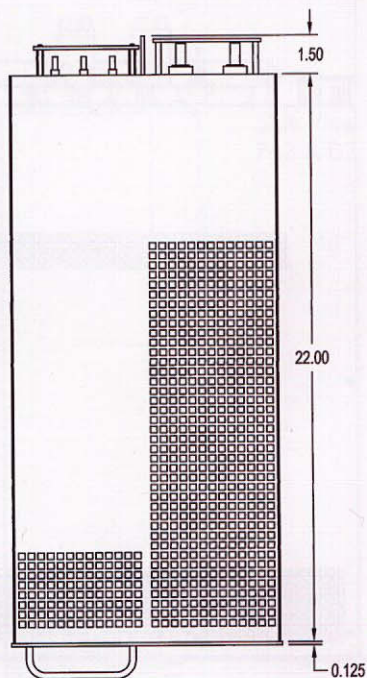
Rear View



Top View



Side View



Front View

