APPENDIX A: SPECIFICATIONS (continued)

MODEL	PPS 8-6D	PPS 18-4D	PPS 35-2D	PPS 30-3D	PPS 60-1D	PPS 128.05D
AC INPUT	One rear panel mounted switch permits operation of 115 or 230(240) Vac line voltage.					
Input Current						
115 VAC	2.7A	2.7A	2.6A	3A	2.6A	2.6A
230 VAC	1.4A	1.35A	1.3A	1.5A	1.3A	1.3A
Fuse Rating		AC input is protected by a rear panel mounted fuse.				
115 VAC	4A	4A	4A	5A	4A	4A
230 VAC	2A	2A	2A	2.5A	2A	2A
Amplitude	115/230 Vac ± 10% or 240 Vac ± 10%					
Frequency	50 to 60 Hz					
Maximum VA	315VA	315VA	299VA	343VA	299VA	299VA
Maximum Power	240W	240W	232W	268W	232W	232W
Peak Inrush Current	30A	30A	30A	60A	30A	30A
DC OUTPUT MAXIMUM RATINGS						
Voltage	8V	18V	35V	30V	60V	128V
Current	6A	4A	2A	3A	1A	0.5A
DC OUTPUT PROGRAMMING RANGE						
Voltage	0-8V	0-18V	0-35V	0-30V	0-60V	0-128V
Current	0-6A	0-4A	0-2A	0-3A	0-1A	0-0.5A
PROGRAMMING RESOLUTION (LSB)		Voltage and current programming are monotonic over full temperature range.				
Voltage	2mV	5mV	10mV	10mV	20mV	40mV
Current	2mA	1.5mA	0.6mA	1mA	0.4mA	0.25mA
OVP	50mV	100mV	200mV	200mV	400mV	800mV
PROGRAMMING ACCURACY		If the unit is recalibrated at a temperature other than 25°C, these specifications apply over a temperature band of ±5°C around calibration temperature.				
Voltage	0.05% +2LSB	0.05% +2LSB	0.05% +2LSB	0.05% +2LSB	0.05% +2LSB	0.05% +2LSB
Current	0.15% +5LSB	0.15% +5LSB	0.15% +5LSB	0.15% +5LSB	0.15% +5LSB	0.15% +5LSB
OVP	2.4% + 0.3V	2.4% + 0.6V	2.4% + 1.3V	2.4% + 1.3V	2.4% + 2.5V	2.4% + 5V
LOAD EFFECT		Load effect is defined as the maximum change in output due to a load change up to the maximum voltage or current rating.				
Voltage	0.001% +1mV	0.001% +1mV	0.001% +1mV	0.001% + 1mV	0.001% + 1mV	0.001% + 1mV
Current	1mA	1mA	1mA	1mA	1mA	0.1mA
Remote sense operation is possible with up to 0.5V drop for positive and negative output load leads.						

Specifications are subject to change without notice.

APPENDIX A: SPECIFICATIONS (continued)

MODEL	PPS 8-6D	PPS 18-4D	PPS 35-2D	PPS 30-3D	PPS 60-1D	PPS 128-0.5D
SOURCE EFFECT		Maximum output change for a line voltage change within rating.				
Voltage	1mV	1mV	1mV	1mV	1mV	1mV
Current	1mA	1mA	1mA	1mA	1mA	0.1mA
PARD (PERIODIC AND RANDOM DEVIATION AND NOISE) RMS/PK-PK (20Hz - 20MHz) with output ungrounded.						
Voltage	1mVrms/10mVp-p	1mVrms/10mVp-p	1mVrms/10mVp-p	1mVrms/10mVp-p	1mVrms/10mVp-p	1mVrms/10mVp-p
Current	1mArms	1mArms	1mArms	1mArms	1mArms	0.5mArms
TEMPERATURE COEFFICIENT		The temperature coefficient is defined as the change in output per degree Celsius; after a 30 minute warm-up period.				
Voltage	100ppm/°C	100ppm/°C	100ppm/°C	100ppm/°C	100ppm/°C	100ppm/°C
Current	200ppm/°C	200ppm/°C	200ppm/°C	200ppm/°C	200ppm/°C	200ppm/°C
DRIFT (STABILITY)		The drift is defined as the change in output over an eight hour interal under constant line, load, and ambient temperature after a 30 minute warm-up period.				
Voltage	0.01% + 1mV	0.01% + 1mV	0.01% + 3mV	0.01% + 3mV	0.01% + 6mV	0.01% + 10mV
Current	0.1% + 6mA	0.1% + 5mA	0.1% + 2mA	0.1% + 3mA	0.1% + 1mA	0.1% + 0.5mA
LOAD TRANSIENT RESPONSE		The time required for the output voltage to recover within a band of 0.1% of rated voltage around the nominal voltage, within a 50% variation in load current.				
Recovery Time	50us	50us	50us	50us	50us	50us
PROGRAMMING UP/DOWN SPEED		The total programming UP/DOWN time is the sum of output voltage response time and the programming command processing time. LSB is the maximum time for the output voltage to vary within ±0.025% of a final value. UP and DOWN times are the maximum times for the output from 10% to 90 % or to 10% of its total excursion value.				
Tup/Tdn	10ms/15ms	10ms/15ms	10ms/15ms	10ms/15ms	15ms/20ms	50ms/70ms
LSB	20ms/30ms	20ms/30ms	20ms/30ms	20ms/30ms	30ms/40ms	80ms/100ms
READBACK RESOLUTION						
Voltage	2mV	5mV	10mV	10mV	20mV	40mV
Current	4mA	2mA	1mA	0.8mA	0.4mA	0.2mA
READBACK ACCURACY		If the unit is recalibrated at a temperature other than 25°C, these specifications apply over a temperature band of ±5°C around calibration temperature.				
Voltage	0.1% + 2LSB	0.1% + 2LSB	0.1% + 2LSB	0.1% + 2LSB	0.1% + 2LSB	0.1% + 2LSB
Current	0.2% + 5LSB	0.2% + 5LSB	0.2% + 5LSB	0.2% + 5LSB	0.2% + 5LSB	0.2% + 5LSB
READBACK TEMPERATURE COEFFICIENT		The readback temperature coefficient is defined as the variation in reading per degree Celsius after a 30 minute warm-up.				
Voltage	100ppm + 2mV	100ppm + 4mV	100ppm + 8mV	100ppm+ 10mV	100ppm+ 20mV	100ppm+ 40mV
Current	200ppm + 6mA	200ppm + 4mA	200ppm + 2mA	200ppm + 3mA	200ppm + 1mA	200ppm+0.5mA
OUTPUT ISOLATION		Neither output terminal may be more than ±240Vdc from chassis ground.				
	± 240Vdc	± 240Vdc	± 240Vdc	± 240Vdc	± 240Vdc	± 500Vdc
TEMPERATURE RATINGS						
		Operating	0°C to 50°C			
		Storage	-40°C to 70°C			
GPIB INTERFACE CAPABILITY		SH1, AH1, T6, TE0, L4, LE0, RL1, SR0, PP0, DC1, DT0, C0, E1				
WEIGHT	18 lbs	18 lbs	20 lbs	18 lbs	18 lbs	18 lbs
DIMENSIONS	8.4"x5.2"x15.7" for all models					

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