SPS 35-35

AC Line Input:
120VAC ± 10%
240VAC ± 10%
Line Frequency:
50\60Hz
Topology:
Switch mode
Constant Voltage (CV)
Constant Current (CC)
Auto-Crossover
Outputs
1
Output Voltage:
35VDC (MAX.)
Output Current:
35ADC (MAX.)
Output Power:
1,200 Watts (MAX.)
Programming Resolution:
9mV / 8mA
Programming Accuracy:
Voltage ± (0.2% + 10 mV)
Current ± (0.3% + 10mA)

Readback Accuracy:
Voltage (0.2% +/- 20mV)
Current (0.3% +/-20mA)
Line Regulation:
CV – (0.01% Vm+2mV)
CC – (0.01% Im+2mA)
Load Regulation:
CV – (0.02% Vm+5mV)
CC – (0.03% Vm+5mV)
Efficiency:
≅ 80%
PARD (Ripple & Noise):
CV–10mVrms
CV–50mVpp
Transient Response:
1-3mS for 50% to 100% load change within
1% of nominal voltage
Remote Sense
Voltage drop ≤ 5VDC/ output line
Drift (over 8 hours & 30 minutes warm up period):
± 0.01% + 10mV

Operating Temperature (ambient):
0°C to 50°C
Storage Temperature:
–40°C to 70°C
Temperature Coefficient (30 minutes warm up period):
100ppm/°C for CV, 300ppm/°C for CC
Humidity:
0°C to 90°C RH non-condensing
Output Isolation:
± 600VDC
Front Panel:
Voltage–10 turn Knob
Current–10 turn Knob
ON/OFF line circuit breaker
Display:
LED Module-3½ digits
CV/CC/OVP/ -LED status indicators

SPS 40-30

AC Line Input:
120VAC ± 10%
240VAC ± 10%
Line Frequency:
50\60Hz
Topology:
Switch mode
Constant Voltage (CV)
Constant Current (CC)
Auto-Crossover
Outputs
1
Output Voltage:
40VDC (MAX.)
Output Current:
30ADC (MAX.)
Output Power:
1,200 Watts (MAX.)
Programming Resolution:
10mV / 7mA
Programming Accuracy:
Voltage ± (0.2% + 10 mV)
Current ± (0.3% + 10mA)

Readback Accuracy:
Voltage (0.2% +/- 20mV)
Current (0.3% +/-20mA)
Line Regulation:
CV – (0.01% Vm+2mV)
CC – (0.01% Im+2mA)
Load Regulation:
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Temperature Coefficient (30 minutes warm up period):
100ppm/°C for CV, 300ppm/°C for CC
Humidity:
0°C to 90°C RH non-condensing
Output Isolation:
± 600VDC
Front Panel:
Voltage–10 turn Knob
Current–10 turn Knob
ON/OFF line circuit breaker
Display:
LED Module-3½ digits
CV/CC/OVP/ -LED status indicators