

SPS Series

3.3kW Programmable DC Power Supply



FEATURES

- 3U Rack Height
- Wide range available, up to 800V & 600A
- GPIB/SCPI, RS232, Ethernet & USB Interface available
- Closed case calibration
- LED Display module
- Programmable protection modes
- TTL on-off control
- Master/slave capability, up to 31 channels available
- Modifications possible

ENVIRONMENTAL

Storage Temp:	-40°C to +70°C
Operating Temp:	0°C to +50°C
Humidity:	0 to 80% RH Non-condensing

SAFETY / EMC

EN60950
CE marked in accordance with the
Low Voltage Directive (LVD)

UL approved to UL60950

ELECTRICAL SPECIFICATIONS

INPUT

AC INPUT	240VAC single phase
(Auto switching)	208/240VAC 3-phase
	380/415VAC 3-phase
	440/480VAC 3-phase
Frequency	50 - 60Hz

OUTPUT

Line Regulation	±0.05% - CV or CC mode
Load Regulation	±0.05% - CV or CC mode
Transient Response (1)	10mS
Stability (2)	±0.01% +10mV
Temp. Coefficient (3)	0.04% / °C of max. output I
Output Isolation	2500VDC

Built in Interface RS 232

NOTES:

1. 30% load change within 2% of nominal voltage
2. Under constant load, line & temp. over an 8 hour interval after a 30 min. warm up period
3. After 30 min. warm up period

Specifications subject to change without notice

Safety Power Group Ltd

9, Farnborough Business Centre, Eelmoor Road, Farnborough, Hampshire. GU14 7QN

Tel: +44 (0) 1252 515565

Fax: +44 (0) 1252 546021

e-mail: sales@safety-power.com

web: www.safety-power.com

AVAILABLE MODELS

MODEL No.	OUTPUT VOLTAGE	OUTPUT CURRENT
SPS5-600	0 - 5VDC	0 - 600ADC
SPS8-400	0 - 8VDC	0 - 400ADC
SPS10-300	0 - 10VDC	0 - 300ADC
SPS16-200	0 - 16VDC	0 - 200ADC
SPS20-165	0 - 20VDC	0 - 165ADC
SPS32-100	0 - 32VDC	0 - 100ADC
SPS40-82	0 - 40VDC	0 - 82ADC
SPS60-55	0 - 60VDC	0 - 55ADC
SPS80-41	0 - 80VDC	0 - 41ADC
SPS100-33	0 - 100VDC	0 - 33ADC
SPS125-26	0 - 125VDC	0 - 26ADC
SPS160-20	0 - 160VDC	0 - 20ADC
SPS200-16	0 - 200VDC	0 - 16ADC
SPS250-13	0 - 250VDC	0 - 13ADC
SPS375-8	0 - 375VDC	0 - 8ADC
SPS500-6	0 - 500VDC	0 - 6ADC
SPS600-5	0 - 600VDC	0 - 5ADC
SPS800-4	0 - 800VDC	0 - 4ADC

ORDERING INFORMATION

SPS V - I - X X X X

Front Panel Choices

0 = Non-keypad

K = Keypad and Encoder

(option includes RS-232 & GPIB)

Reverse Polarity Relay
& Output Isolation (RPR) Choices
(30 Amps max.)

0 = No RPR

R = Includes RPR

Input Line Voltage

1 = 240Vac, 50/60 Hz, single phase

2 = 208/240Vac, 50/60Hz 3-phase

3 = 380/415Vac, 50/60Hz 3-phase

4 = 440/480Vac, 50/60Hz 3-phase

Interface Choices

0 = Analogue Only (1U Front Panel only)

2 = IEEE 488.2 (SCPI includes RS-232)

E = Ethernet (includes GPIB/SCPI/RS-232)

S = Slave (RS-485 only)

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