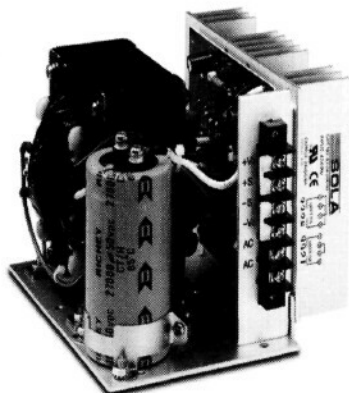


Linear OEM – Single, Dual and Triple Output



Specifications

Parameter	Condition	Limit
Input		
Input Voltage		104-127 VAC 208-254 VAC
Input Frequency		50-60 Hz.
Output		
Regulation Line & Load		±0.1%
Pard (Ripple and Noise)		0.1% pk/pk
Periodic Deviations (Ripple)		10mv rms
Output Voltage Adjustment		±5% Minimum
Transient Recovery Time	50%-100% Load	Less than 50 msec
General		
Storage Ambient Temp.		-40°C to +85°C
Operating Ambient Temp.		0°C to +50°C
Temp. Effect Coefficient		0.03% °C
Polarity		May be used positive or negative
Short Circuit Protection		Protected with Automatic Recovery
Maximum Allowable Lead Drop for Remote Sensing		5%
Maximum Output Current		120% Rated Current
Maximum Short Circuit Current		30% Rated Current
Input/Output Isolation		1000 Megohms D.C., 2500 VAC
Cooling	Forced air. 20 CFM required for full rating Derate 30% without cooling.	

Specifications are typical. Contact **Technical Services** for any additional information.

Features

- Low noise output.
- 115/230 VAC input.
- Remote sensing.
- Designed for both bench and rack use.
- Completely protected short circuit proof; automatic foldback.
- Current limiting – automatic reset.
- Isolated floating output.
- UL Recognized, CSA Certified.
- Warranted for one full year.
- Built-in OVP on 5 Volt models.
- Terminal block on Case D models (24 V/6 A).
- One year warranty.

Applications

- Microprocessor circuits
- Process controls
- Control circuits
- Noise sensitive circuits
- Instrumentation
- CNC machinery
- Analog circuits

Selection Table

Catalog Number	Output 1	Output 2	Output 3	Case
81-05-230-2 ¹	5 V @ 3.0 A	–	–	A
81-12-215-2 ¹	12(15) V @ 1.5(1.2) A	–	–	A
81-24-180-2 ¹	24 V @ 8 A	–	–	A
83-05-230-3	5 V @ 3.0 A	–	–	B
83-12-218-3	12 V @ 1.8 A	–	–	B
83-15-216-3	15 V @ 1.6 A	–	–	B
83-24-212-3	24 V @ 1.2 A	–	–	B
83-05-260-3	5 V @ 6 A	–	–	C
83-12-250-3	12 V @ 5 A	–	–	C
83-15-240-3	15 V @ 4 A	–	–	C
83-24-225-3	24 V @ 2.5 A	–	–	C
83-05-312-3	5 V @ 12 A	–	–	D
83-12-310-3	12 V @ 10 A	–	–	D
83-15-280-3	15 V @ 8 A	–	–	D
83-24-260-3	24 V @ 6 A	–	–	D
83-15-2216 ²	15 V @ 1.6 A	-15 V @ 1.6 A	–	F
83-15-3216 ²	5 V @ 6 A	+15 V @ 1.6 A	-15 V @ 1.6 A	H

¹ 115 Volt input only. ² UL only.

Power Supply Selection Table

This chart is intended only as a guide for selecting a series of DC power supply, some of the series listed may not work in all applications.

Series	Input Voltage				Output Voltage						Power Range (Total Watts)	Number of Outputs				Notes	Page
	DC	110/120 VAC	220/240 VAC	380/480 VAC	3.3 V	5 V	12 V	15 V	24 V	48 V		Single	Dual	Triple	Quad		
SDN	X	X	X	X		X			X		60-960	X				-DIN Rail mount -3 Phase input available. -Redundant options. -Class 2/DeviceNet™	32
SDP	X	X							X		30-50	X				-DIN rail mount compact	30
SCP	X	X	X		X	X	X	X	X	X	30	X	X	X		-DIN rail mount	46
SCD	X					X	X	X	X	X	30	X	X			-DIN rail mount -DC input	48
SCL		X	X			X	X	X			4-10		X	X		-DIN rail mount	44
SFL		X	X				X		X	X	75-600	X				-DIN rail mount, -Adjustable Pot, Red or UPS option.	50
39 Series Copperline		X	X		X	X	X	X	X	X	300-1200	X				-Single wide adjustable output	59
GL OEM Switchers		X	X			X	X	X	X		40-200	X	X	X	X	-40-110 Watt, open frame, molex type connections. -200 Watt, enclosed with connected screw terminals.	60
Silver Line		X	X			X	X	X	X		15-244	X	X	X		-Industry standard footprint. Screw terminals and optional covers.	53
Linear OEM -81/83		X	X			X	X	X	X		15-150	X	X	X			57
CVDC - 28		X							X	X	144-960	X				-19" Rackmount	66

DIN Rail Selection Guide

Output Voltages											
	48	24	15	12	5	3.3	±15	±12	5/24	5/12/12	5/15/15
A M P S	1 SCP30S48B-DN						SCL4D15-DN	SCL4D12-DN	SCP30D524-DN SCP30S524B-DN	SCL10T512-DN	
		SDP1-24-100	SCP30S15-DN				SCL10D15-DN	SCL10D12-DN		SCP30T512-DN	
	2.5 SFL 1.5-48-100	SDN2.5-24-10 SDP2-24-100		SCP 30S12B-DN			SCP30D15B-DN SCP30D15-DN	SCP30D12B-DN SCP30D12-DN			
	4 SFL 3-48-100	SDN 4-24-100									
	5 SFL 6-48-100	SDN 5-24-100			SCP30S5B-DN	SCP30S3.3B-DN					
	7.2			SFL 6-12-100							
	10	SDN 10-24-100			SDN 8-5-24 (24 VDC In)						
	12 SFL 12-48-100	SFL 12-24-100									
	15										
	20	SDN 20-24-100 (1Ø) SDN 20-24-480 (3Ø)									
	25	SFL 24-24-100 (110/220 VA)									
	30	SDN 30-24-480 (3Ø)									
	40	SDN 40-24-480 (3Ø)									

Case C