

Silver Line Series - Single & Multi-Output Linears

The Silver Line series follows the industry accepted footprint for open frame, linear power supplies. Standard screw terminal connections and optional covers are offered for safety considerations.

Applications

- Industrial Control Circuits and Components
- Instrumentation
- Drives
- CNC Machinery
- Equipment for food industry
- Microprocessor Circuits
- Analog Circuits
- Noise sensitive Circuitry and Sensors

Features

- Easy-to-install screw terminal connections
- Cover options
- Industry standard footprint
- Universal input and approvals (115/230 Vac)
- Low noise, extremely quiet DC output. For noise sensitive or analog circuitry.
- Fast transient response. Ideal for test applications.
- Built-in OVP on 5 V models and optional on 12, 15 and 24 V models
- Automatic resetting overload protection
- Short circuit protected
- Two year limited warranty

Certifications and Compliances

- c Tus Recognized Component, ITE
- UL 60950-1
- (SP) Certified, ITE
 - CSA C22.2 CSA 60950-1
- - IEC60950-1
- RoHS Compliant





Specifications

Parameter	Condition	Limit			
Input					
Input Voltage		100/120/220/230/240 Vac Selectable			
Input Frequency		47-63 Hz			
	Output				
Line Regulation	for 10% change	0.05%			
Load Regulation	for 50% change	0.05%			
Ripple		3.0 mV maximum Peak-to-Peak			
DC Output Adjustment Range		±5% Minimum			
Overvoltage Protection		All 5-Volt outputs include build-in OVP as standard (setting is 6.2 V ±0.4 V) OVP is optionally available on other types			
Transient Response Time	at 50% Load Changes	50 msec.			
Overload Protection		Automatic current limit foldback			
Remote Sensing	Available to compensate for output voltage drop on selected models.	0.5 Vdc			
	General				
Operating Temperature Range	Derate to 40% at +70°C	0 to +50°C			
Storage Temperature Range		-25°C to +85°C			
Temperature Coefficient (Typical)		0.01% 0°C			
Stability	After warm-up	±.5%			
EMI/RFI	Linear power supplies have inherently low conducted and radiate noise levels	For most system applications they will meet requirements of FCC Class B and VDE 0871 for Class B			
Cover Option	Derate power by an additional 15%				
Cooling	Forced air. 20 CFM required for full rating Derate 30% without cooling				

Specifications are typical. Load Regulation on outputs without Remote Sense, .1% typical.





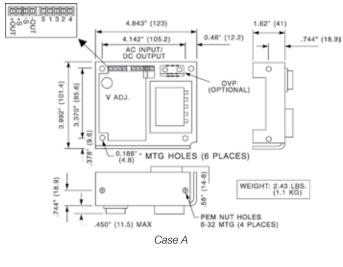
SL Series Selection Table

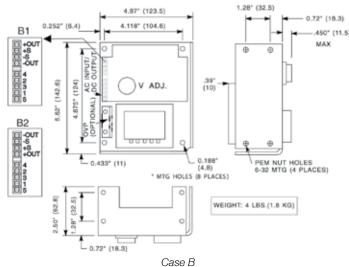
Catalog Number Output 1 Output 2 Output 3 Case SLS-05-030-1T 5 ∨ Ø 3 A * ² - - A SLS-05-060-1T 5 ∨ Ø 6 A * ² - - B1 SLS-05-090-1T 5 ∨ Ø 9 A * ² - - C SLS-05-120-1T 12 ∨ Ø 1.7 A ² or 15 ∨ Ø 1.5 A - - B1 SLS-12-017T1 12 ∨ Ø 3.4 A ² - - B1 SLS-12-034T 12 ∨ Ø 5.1 A ² - - B1 SLS-12-051T 12 ∨ Ø 6.8 A ² - - C SLS-12-068T 12 ∨ Ø 6.8 A ² - - L2 SLS-15-065T 15 ∨ Ø 4.5 A ² - - L2 SLS-24-012T 24 ∨ Ø 1.2 A ∨ - - B2 SLS-24-02T 24 ∨ Ø 3.6 A ² - - B2 SLS-24-036T 24 ∨ Ø 3.6 A ² - - L SLS-24-072T 24 ∨ Ø 1.2 A ∨ - - L SLS-24-120T 12 ∨ Ø 1.8 a or <td< th=""><th colspan="6"></th></td<>						
SLS-05-060-1T 5 V @ 6 A *2 - - B1 SLS-05-090-1T 5 V @ 9 A *2 - - C SLS-05-120-1T 5 V @ 12 A *2 - - C SLS-12-01T1 12 V @ 1.7 A 2 or 15 V @ 1.5 A - - A SLS-12-034T 12 V @ 3.4 A 2 - - B1 SLS-12-061T 12 V @ 6.8 A 2 - - C SLS-12-068T 12 V @ 6.8 A 2 - - L2 SLS-12-068T 12 V @ 6.8 A 2 - - L2 SLS-12-068T 15 V @ 6.8 A 2 - - L2 SLS-12-068T 15 V @ 6.8 A 2 - - L2 SLS-12-068T 15 V @ 6.8 A 2 - - L2 SLS-24-02T 24 V @ 1.2 A V - - B2 SLS-24-02T 24 V @ 3.6 A 2 - - L SLD-12-1010-12T1 12 V @ 1.8 A or -12 V @ 1.8 A or -15 V @ .8 - H1 SLD-12-3014-2T1 12 V @ 1.8 A or -15 V @ .8	Catalog Number	Output 1	Output 2	Output 3	Case	
SLS-05-090-1T 5 V @ 9 A * 2	SLS-05-030-1T	5 V @ 3 A * ²	-	-	Α	
SLS-05-120-1T 5 V @ 12 A *2	SLS-05-060-1T	5 V @ 6 A *2	-	_	B1	
SLS-12-017T1	SLS-05-090-1T	5 V @ 9 A *2	_	_	С	
SLS-12-034T 15 V @ 1.5 A — — A SLS-12-034T 12 V @ 3.4 A² — — B1 SLS-12-051T 12 V @ 5.1 A² — — C SLS-12-068T 12 V @ 6.8 A² — — I2 SLS-15-060T 15 V @ 6.A² — — C SLS-15-060T 15 V @ 6.A² — — I2 SLS-24-012T 24 V @ 1.2 A V — — A SLS-24-024T 24 V @ 2.4 A² — — B2 SLS-24-036T 24 V @ 3.6 A² — — C SLS-24-048T 24 V @ 3.6 A² — — B2 SLS-24-048T 24 V @ 12.0 A² — — K SLS-24-072T 24 V @ 12.0 A² — — K SLS-24-120T 12 V @ 1 A Or — — H1 SLD-12-1010-12T1 12 V @ 1 A Or — — H1 SLD-12-1888-12T1 12 V @ 1 A Or — — D	SLS-05-120-1T	5 V @ 12 A *2	-	_	12	
SLS-12-051T 12 V @ 5.1 A 2	SLS-12-017T1		_	_	А	
SLS-12-068T 12 V @ 6.8 A 2	SLS-12-034T	12 V @ 3.4 A ²	_	_	B1	
SLS-15-045T 15 V @ 4.5 A² — — C SLS-15-060T 15 V @ 6 A² — — L2 SLS-15-060T 15 V @ 6 A² — — — L2 SLS-24-012T 24 V @ 1.2 A V — — A SLS-24-024T 24 V @ 3.6 A² — — C SLS-24-036T 24 V @ 3.6 A² — — C SLS-24-048T 24 V @ 4.8 A² — — — L2 SLS-24-072T 24 V @ 12.0 A² — — — K SLS-24-120T 24 V @ 12.0 A² — — — K SLD-12-1010-12T1 12 V @ 1.8 A or 15 V @ .8 — — H1 SLD-12-1818-12T1 12 V @ 1.8 A or 15 V @ .8 — — D SLD-12-3434-12T 12 V @ 3.4 A² — D SLD-12-3030-15T 15 V @ 3 A² — 13 SLD-12-3034-2 — I3 SLD-12-6034-05T 5 V @ 6 A²² 12 V @ 3.4 A² —	SLS-12-051T	12 V @ 5.1 A ²	_	_	С	
SLS-15-060T	SLS-12-068T	12 V @ 6.8 A ²	_	_	12	
SLS-24-012T	SLS-15-045T	15 V @ 4.5 A ²	-	_	С	
SLS-24-024T	SLS-15-060T	15 V @ 6 A ²	_	_	12	
SLS-24-036T	SLS-24-012T	24 V @ 1.2 A v	_	_	Α	
SLS-24-048T	SLS-24-024T	24 V @ 2.4 A ²	_	_	B2	
SLS-24-072T	SLS-24-036T	24 V @ 3.6 A ²	_	_	С	
SLS-24-120T 24 V @ 12.0 A ² — — L SLD-12-1010-12T ¹ 12 V @ 1 A or 15 V @ .8 A	SLS-24-048T	24 V @ 4.8 A ²	_	_	12	
SLD-12-1010-12T¹ 12 V @ 1 A or 15 V @ .8 A	SLS-24-072T	24 V @ 7.2 A ²	_	_	K	
SLD-12-1010-12T¹ 15 V @ .8 A -15 V @ .8 - H1 SLD-12-1818-12T¹ 12 V @ 1.8 A or 15 V @ 1.8 A or 15 V @ 1.5 A - D SLD-12-3434-12T 12 V @ 3.4 A² -12 V @ 3.4 A² - I3 SLD-15-3030-15T 15 V @ 3 A² -15 V @ 3 A² - I3 SLD-12-6034-05T 5 V @ 6 A *² 12 V @ 3.4 A² - I1 SLD-12-3015-05T 5 V @ 3 A *² 12 V @ 1.5 A - C1 SLT 12-20404-12T¹ 5 V @ 2 A *² 12 V @ .4 A or 15 V @ .4 A or 15 V @ .4 A -12 V @ .4 A or 15 V @ .4 A -15 V @ .4 A or 15 V @ .4 A -12 V @ .4 A or 15 V @ .4 A -12 V @ .1 A or 15 V @ .8 A F SLT 12-31010-12T1 5 V @ 6 A *² 12 V @ 1.8 A or 15 V @ .8 A -12 V @ 1.8 A or 15 V @ .15 A F Over Voltage Protector (0VP) SLO-12-000-1 6.2 V to 34 V Adjustable @ 8 A For Cases B through K J1 SLO 12-000-TB 6.2 V to 34 V For Case A or Cases B through K J2	SLS-24-120T	24 V @ 12.0 A ²	_	_	L	
SLD-12-1818-12T 1 15 V @ 1.5 A -15 V @ 1.5 A - D SLD-12-3434-12T 12 V @ 3.4 A² -12 V @ 3.4 A² - 13 SLD-15-3030-15T 15 V @ 3 A² -15 V @ 3 A² - 13 SLD-12-6034-05T 5 V @ 6 A *² 12 V @ 3.4 A² - 11 SLD-12-3015-05T 5 V @ 3 A *² 12 V @ 1.5 A - C1 SLT 12-20404-12T ¹ 5 V @ 2 A *² 12 V @ 1.4 A or 15 V @ .4 A or 15 V @ .4 A -12 V @ .4 A or 15 V @ .4 A H2 SLT 12-31010-12T1 5 V @ 3 A *² 12 V @ 1 A² or 15 V @ .8 A -12 V @ 1.8 A or 15 V @ .8 A F Over Voltage Protector (0VP) SL0-12-000-1 6.2 V to 34 V Adjustable @ 8 A For Cases B through K J1 SL0 12 000 TB 6.2 V to 34 V For Case A or Cases B through K J2	SLD-12-1010-12T ¹			_	H1	
SLD-15-3030-15T 15 V @ 3 A ² -15 V @ 3 A ² - 13 SLD-12-6034-05T 5 V @ 6 A *² 12 V @ 3.4 A ² - 11 SLD-12-3015-05T 5 V @ 3 A *² 12 V @ 1.5 A - C1 SLT 12-20404-12T ¹ 5 V @ 2 A *² 12 V @ .4 A or 15 V @ .4 A or 15 V @ .4 A -12 V @ .4 A or 15 V @ .4 A H2 SLT 12-31010-12T1 5 V @ 3 A *² 12 V @ 1 A ² or 15 V @ .8 A or 15 V @ .15 A F Over Voltage Protector (0VP) SL0-12-000-1 6.2 V to 34 V Adjustable @ 8 A or Cases B through K J1 SL0 13 000 TB 6.2 V to 34 V For Case A or Cases B through K	SLD-12-1818-12T ¹			_	D	
SLD-12-6034-05T 5 V @ 6 A *2 12 V @ 3.4 A 2 — I1 SLD-12-3015-05T 5 V @ 3 A *2 12 V @ 1.5 A — C1 SLT 12-20404-12T 1 5 V @ 2 A *2 12 V @ .4 A or 15 V @ .4 A or 15 V @ .4 A -12 V @ .4 A or -15 V @ .4 A H2 SLT 12-31010-12T1 5 V @ 3 A *2 12 V @ 1 A 2 or 15 V @ .8 A -12 V @ 1 A 2 or 15 V @ .8 A F SLT 12-61818-12T1 5 V @ 6A *2 12 V @ 1.8 A or 15 V @ .15 A -12 V @ 1.8 A or 15 V @ .15 A G2 Over Voltage Protector (0VP) SL0-12-000-1 6.2 V to 34 V Adjustable @ 8 A For Cases B through K J1 SL0 12 000 TB 6.2 V to 34 V For Case A or Cases B through K	SLD-12-3434-12T	12 V @ 3.4 A ²	-12 V @ 3.4 A ²	_	13	
SLD-12-3015-05T 5 \(\partial \text{3 A} \(\text{*}^2 \) 12 \(\partial \text{4 A or} \) -12 \(\partial \text{4 A or} \) -15 \(\partial \text{6 A or} \) -15 \(\partial 6	SLD-15-3030-15T	15 V @ 3 A ²	-15 V @ 3 A ²	_	13	
SLT 12–20404–12T ¹ 5 V @ 2 A *² 12 V @ .4 A or 15 V @ .4 A or -15 V @ .4 A or -15 V @ .4 A H2 SLT 12–31010–12T1 5 V @ 3 A *² 12 V @ 1 A ² or 15 V @ .8 A or -15 V @ .8 A -12 V @ 1 A ² or -15 V @ .8 A or -15	SLD-12-6034-05T	5 V @ 6 A *2	12 V @ 3.4 A ²	_	l1	
SLT 12-20404-12T¹ 5 V @ 2 A *² 15 V @ .4 A -15 V @ .4 A H2 SLT 12-31010-12T1 5 V @ 3 A *² 12 V @ 1 A ² or 15 V @ .8 A -12 V @ 1 A ² or -15 V @ .8 A F SLT 12-61818-12T1 5 V @ 6A *² 12 V @ 1.8 A or 15 V @ .15 A -12 V @ 1.8 A or -15 V @ .15 A G2 1.5 A Over Voltage Protector (0VP) SL0-12-000-1 6.2 V to 34 V Adjustable @ 8 A For Cases B through K J1 SL0-12-000 TB 6.2 V to 34 V For Case A or Cases B through K J2	SLD-12-3015-05T	5 V @ 3 A *2	12 V@ 1.5 A	_	C1	
SLT 12–31010–12T1 5 V @ 3 A * 2 15 V @ .8 A or -15 V @ .8 A F SLT 12–61818–12T1 5 V @ 6A * 2 12 V @ 1.8 A or 15 V @ 1.5 A -12 V @ 1.8 A or 15 V @ 1.5 A G2 1.5 A Over Voltage Protector (0VP) SL0–12–000–1 6.2 V to 34 V Adjustable @ 8 A For Cases B through K J1 SL0–12–000 TB 6.2 V to 34 V For Case A or Cases B through K J2	SLT 12-20404-12T ¹	5 V @ 2 A *2			H2	
SLT 12-61818-12T1 5V @ 6A *2 12 V @ 1.8 A or 15 V @ 1.5 A A or -15 V @ 1.5 A G2 1.5 A Over Voltage Protector (0VP) SL0-12-000-1 6.2 V to 34 V Adjustable @ 8 A For Cases B through K J1 SL0-12-000 TB 6.2 V to 34 V For Case A or Cases B through K J2	SLT 12-31010-12T1	5 V @ 3 A *2			F	
SL0-12-000-1 6.2 V to 34 V Adjustable @ 8 A For Cases B through K J1 SL0-12-000-TB 6.2 V to 34 V For Case A or Cases B through K J2	SLT 12-61818-12T1	5V @ 6A *2		A or -15 V @	G2	
SL0-12-000-1 Adjustable @ 8 A For Cases B through K J1 SL0-12-000-TB 6.2 V to 34 V For Case A or Cases B through K J2	Over Voltage Protector (OVP)					
CIO 12 000 TR	SL0-12-000-1		For Cases B through K		J1	
	SL0-12-000-TB		9		J2	

Notes:

- * With Built-In OVP
- 1. 12/15 Volt models are factory set for 12 Volt operation. 15 Volt operation is field adjustable.
- 2. With Remote Sense (R.S.)

Dimensions - inches (mm)





Cover Options

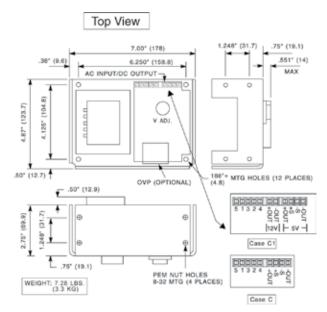
Catalog Number	Description	Catalog Number	Description
SLCASA-CVR	Cover for Case A	SLCASI-CVR	Cover for Cases I1, I2, & I3
SLCASB-CVR	Cover for Case B	SLCASK-CVR	Cover for Case K
SLCASC-CVR	Cover for Case C	SLCASL-CVR	Cover for Case L

Note:

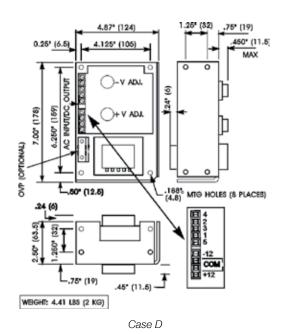
Covers are sold separately. When used, derate the power supply by 15% of its rated value.

SOLA/HD

Silver Line Dimensions (inches/mm)

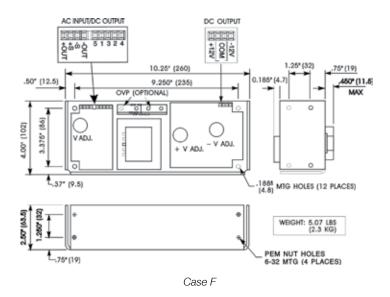


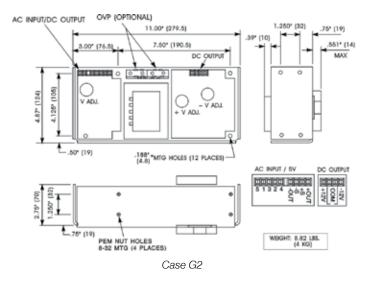
Cases C and C1

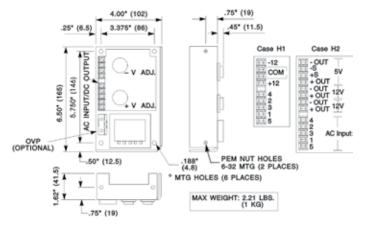


AC Input Jumper Connections

For use at:	100 Vac	120 Vac	220 Vac	230/240 Vac
Connect:	1-3, 2-4	1-3, 2-4	2-3	2-3
Apply AC:	1 & 5	1 & 4	1 & 5	1 & 4



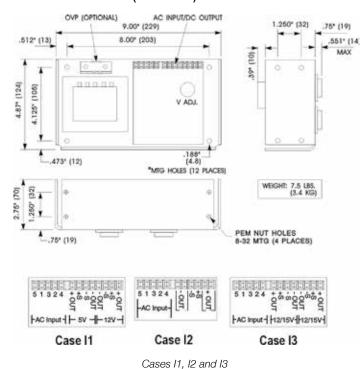




Cases H1 and H2

SOLAHID

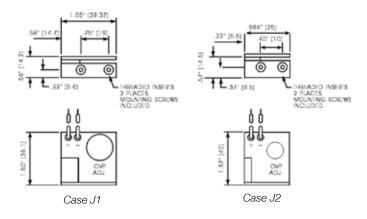
Silver Line Dimensions (inches/mm)

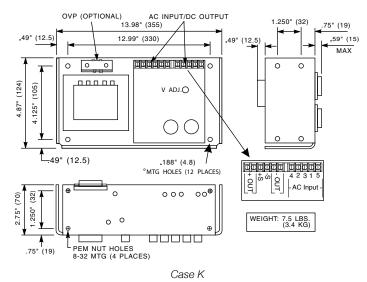


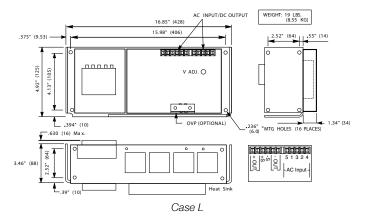
Notes:

All dimensions in inches (mm). Dimensions may change and should not be used for construction purposes.

Be sure to specify the complete part number when ordering. Orders may be placed with your local SolaHD distributor.







Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Sola/Hevi-Duty:

SLS-05-060-1T SLS-15-060T SLT-12-20404-12T SLS-05-120-1T SLO-12-000-1 SLO-12-000-TB SLS-24-012T SLS-24-036T SLS-24-120T SLD-12-1010-12T SLS-15-045T SLS-24-072T SLS-24-048T SLS-12-034T SLD-12-1818-12T SLS-12-051T SLD-12-3015-05T SLS-05-030-1T SLT-12-61818-12T SLS-05-090-1T SLD-15-3030-15T SLS-24-024T SLT-12-31010-12T SLS-12-017T SLD-12-3434-12T SLCASK-CVR SL012000TB SLS12068T SL0120001