



(Dimension) L:188 mm W:53 mm H:23mm Weight: 0.20Kg

Specifications

Remark





■Features

.Industrial automation machinery

■Applications

.Aging equipment

 $. \\ Mechanical, electrical\ equipment \\ \quad \cdot Over\mbox{-load,} Over\mbox{-temp.}\ protection$.LED slim lighting equipment

.IT communication equipment ·LED power indicator

·100% full load burn-in test

 $\cdot No\text{-load consumption} {<} 0.7 W$

·cooling by free air convection

·Withstand 300VAC surge input for 5 seconds

·5G vibration tested

·High efficiency,long life,high reliability

·2 years warranty

t Vibration proof 10~500HZ,5G 10min/1 cycle, period for 60min. each along X, Y, Z axes Safety regulation GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Safety reg. Isolation resistance I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH & EMC EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005	Product No.		SSL-120-12	SSL-120-24		
Current Range	Output	DC voltage	12V	24V		
Rated Power 120W		Rated Current	10A	5A		
Note and Note (Max)Note.2 150mVp-p 240mVp-p		Current Range	0-10A	0-5A		
Output Voltage adjustment 10.8-13.2V 22-27.6V Voltage tolerance Note3 ±1% ±1% Linear Regulation Note4 ±0.5% ±0.5% Setup and rise time 1000ms,30ms/230VAC 100ms,30ms/110V Hold up time (Typ) 50ms/230VAC 10ms/115AC Voltage range 176-264AC/250-360VDC Frequency range 50HZ Efficiency (Typ) 80% 82% AC current (Typ) Cold start: 65A/230VAC Leakage Current <2mA/240VAC		Rated Power	120W	120W		
Voltage tolerance Note3		Ripple and Noise(Max)Note.2	150mVp-p	240mVp-p		
Linear Regulation Note4		Voltage adjustment	10.8-13.2V	22-27.6V		
Load Regulation Note5 ±0.5% ±0.5% ±0.5%		Voltage tolerance Note3	±1%	±1%		
Setup and rise time		Linear Regulation Note4	±0.5%	±0.5%		
Hold up time (Typ) S0ms/230VAC 10ms/115AC		Load Regulation Note5	±0.5%	±0.5%		
Voltage range		Setup and rise time	1000ms,30ms/230VAC 1000ms,30ms/110V			
Frequency range		Hold up time (Typ)	50ms/230VAC 10ms/115AC			
Efficiency (Typ) 80% 82%	Input	Voltage range	176-264AC/250-360VDC			
AC current (Typ) 1.42A/176V 1.1A/220V		Frequency range	50HZ			
AC current (Typ) Surge (Inrush) current (Typ) Leakage Current Overload Protection type: Hiccup mode, recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140°C Recovers automatically after temperature is normal. Working temp. Working humidity Storage temp & hmdty Temp. coefficient 10~500HZ,5G 10min/1 cycle, period for 60min. each along X, Y, Z axes Safety reg. SelMC irradiation EMC disturbance Overload Protection type: Hiccup mode, recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140°C Recovers automatically after temperature is normal. 20~90% RH,Non-condensing -40~+80°C Temp. coefficient ±0.03%/°C (0~50°C) Vibration proof Safety reg. Isolation proof Safety reg. Isolation resistance I/P-O/P, I/P-FG;1.5KVAC O/P-FG:0.5KVAC Safety reg. Safety reg. SelMC disturbance EMC disturbance EMC disturbance Dimensions 188*53*23mm(L*W*H)		Efficiency (Typ)	80%	82%		
Leakage Current Overload		AC current (Typ)	1.42A/176V 1.1A/220V			
Overload Overload Protection type: Hiccup mode, recovers automatically after fault condition is removed Over temperature Over temperature Working temp. Working humidity Storage temp & hmdty Temp. coefficient Vibration proof Safety regulation Voltage proof Safety reg. & EMC (Note.6) Overload Protection type: Hiccup mode, recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140°C Recovers automatically after temperature is normal. 20~90% RH,Non-condensing 40~480°C Temp. coefficient 40.03%/°C (0~50°C) Vibration proof 10~500HZ,5G 10min/1 cycle, period for 60min. each along X, Y, Z axes GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O/P, I/P-FG;1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Safety reg. EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005 EN 61000-3-2:2006; Dimensions Dimensions S188*53*23mm(L*W*H)		Surge (Inrush) current (Typ)	Cold start: 65A/230VAC			
Protection type: Hiccup mode, recovers automatically after fault condition is removed Over temperature Norking temp. Working humidity Storage temp & hmdty Temp. coefficient Vibration proof Safety reg. Safety reg. Safety reg. & EMC (Note.6) Overload Protection type: Hiccup mode, recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140°C Recovers automatically after temperature is normal. -20~+50°C (Please refer to the attenuation curve) 20~90% RH, Non-condensing -40~+80°C Temp. coefficient -40~+80°C 10~500HZ,5G 10min/1 cycle, period for 60min. each along X、Y、Z axes Safety regulation GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005 EMC disturbance Dimensions Dimensions Protection type: Hiccup mode, recovers automatically after fault condition is removed Over temperature Recovers automatically after fault condition is removed Over temperature Recovers automatically after fault condition is removed Automatically after fault condition is removed 140°C Recovers automatically after femperature in transistor over 140°C Recovers automat		Leakage Current	<2mA/240VAC			
Protection type: Hiccup mode, recovers automatically after fault condition is removed Over temperature Over temperature Over temperature Norking temp. Working humidity Storage temp & hmdty Temp. coefficient Vibration proof Safety regulation Voltage proof Safety reg. Stolation resistance EMC irradiation Over temperature Protection type: Hiccup mode, recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after fault condition is removed Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after	Protection	Overland	>105% rated output power			
Over temperature Recovers automatically after temperature is normal. -20~+50°C (Please refer to the attenuation curve) Working humidity 20~90% RH,Non-condensing Storage temp & hmdty Temp. coefficient 10~500HZ,5G 10min/1 cycle, period for 60min. each along X, Y, Z axes Safety regulation Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Isolation resistance Recovers automatically after temperature is normal. -20~+50°C (Please refer to the attenuation curve) 20~90% RH,Non-condensing -40~+80°C Temp. coefficient 10~500HZ,5G 10min/1 cycle, period for 60min. each along X, Y, Z axes GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Isolation resistance I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005 EMC disturbance Dimensions 188*53*23mm(L*W*H)		Overload	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
Recovers automatically after temperature is normal. Working temp. -20~+50°C (Please refer to the attenuation curve) Working humidity 20~90% RH,Non-condensing Storage temp & hmdty -40~+80°C Temp. coefficient ½0.03%/°C (0~50°C) Vibration proof 10~500HZ,5G 10min/1 cycle, period for 60min. each along X、Y、Z axes Safety regulation GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Safety reg. Bolation resistance I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH EMC irradiation EN 55022A:2006; EN61000-3-2:1995+A2:2005 EMC disturbance Dimensions 188*53*23mm(L*W*H)		Over temperature	Overheat protection starts when temperature in transistor over 140 $^{\circ}\mathrm{C}$			
Working humidity 20~90% RH,Non-condensing Invironment t 5torage temp & hmdty -40~+80°C Temp. coefficient ±0.03%/°C (0~50°C) Vibration proof 10~500HZ,5G 10min/1 cycle, period for 60min. each along X. Y. Z axes Safety regulation GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Isolation resistance I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005 EMC disturbance EN 61000-3-2:2006; Others Dimensions		Over temperature				
Storage temp & hmdty		Working temp.	-20∼+50°C (Please refer to the attenuation curve)			
Storage temp & hmdty		Working humidity	, ,			
t Vibration proof 10~500HZ,5G 10min/1 cycle, period for 60min. each along X. Y. Z axes Safety regulation GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Safety reg. Isolation resistance I/P-O/P, I/P-FG;0/P-FG:100M Ohms/500VDC/25°C/70% RH & EMC (Note.6) EMC disturbance EN 55022A:2006;EN61000-3-2:1995+A2:2005 Others Dimensions 188*53*23mm(L*W*H)	Environmen t	Storage temp & hmdty				
t Vibration proof 10~500HZ,5G 10min/1 cycle, period for 60min. each along X, Y, Z axes Safety regulation GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Isolation resistance I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005 (Note.6) EMC disturbance Others Dimensions		Temp. coefficient	±0.03%/℃ (0~50°C)			
Safety regulation GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) Voltage proof I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC Isolation resistance I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005 Content of the proof EMC disturbance EN 61000-3-2:2006; Others Dimensions 188*53*23mm(L*W*H)		Vibration proof	10∼500HZ,5G 10min/1 cycle, period for 60min. each along X、Y、Z axes			
Safety reg. Isolation resistance I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH & EMC EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005 (Note.6) EMC disturbance EN 61000-3-2:2006; Others Dimensions 188*53*23mm(L*W*H)		Safety regulation	GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD)			
& EMC EMC irradiation EN 55022A:2006;EN61000-3-2:1995+A2:2005 (Note.6) EMC disturbance EN 61000-3-2:2006; Others Dimensions 188*53*23mm(L*W*H)		Voltage proof	I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC			
(Note.6) EMC disturbance EN 61000-3-2:2006; Others Dimensions 188*53*23mm(L*W*H)	Safety reg.	Isolation resistance	I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70% RH			
Others Dimensions 188*53*23mm(L*W*H)	& EMC	EMC irradiation	EN 55022A:2006;EN61000-3-2:1995+A2:2005			
Others	(Note.6)	EMC disturbance	EN 61000-3-2:2006;			
Packing 0.20kg/PCS;50PCS/10.3kg	Others	Dimensions	188*53*23mm(L*W*H)			
		Packing		0.20kg/PCS;50PCS/10.3kg		

2.Ripple and noise: measured with a 12" double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor on 20MHz bandwidth.

1. Unless specially indicated, all data are taken under 230VAC input, rated load and 25 $^\circ$ C environment temp.

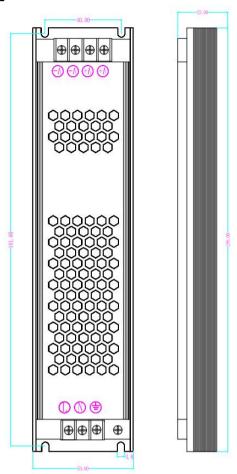
6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EMC.

3. Tolerance (Accuracy): including preset errors, linear adjustment rate and load adjustment rate.

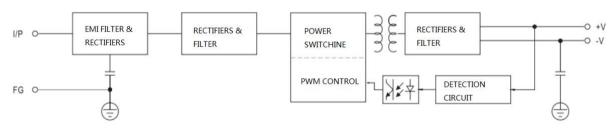
4.Linear adjustment: taken under rated load from low voltage to high voltage.

5.Load adjustment: taken under 0~100% of rated load.

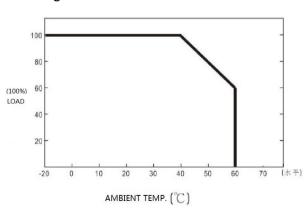
■Appearance



■Frame diagram



■ Derating curve



■ Static Characteristics

