

(Dimension) L:254 mm W:58 mm H:26mm Weight: 0.555Kg



■Applications

.Industrial automation machinery .Mechanical, electrical equipment ·cooling by free air convection .LED slim lighting equipment .IT communication equipment ·Withstand 300VAC surge input for 5s .Aging equipment

■Features

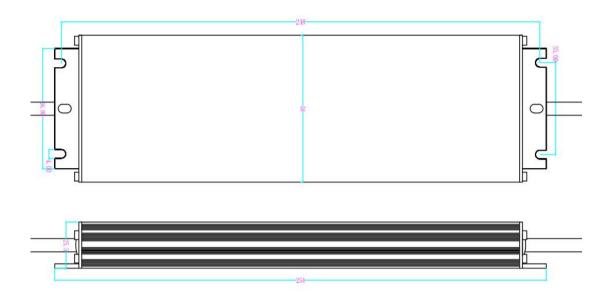
·Over-load,Over-temp. protection ·100% full load burn-in test ·No-load consumption \leq 0.7W ·Working temperature up to $60\,^{\circ}\mathrm{C}$ ·High efficiency,long life,high reliability ·5G vibration tested 2 years warranty

Specification

Output Voltage adjustment 10. 8-13. 2V 22-27. 6V 10. 8-13. 2V 22-27. 6V Voltage tolerance Note3 ± 1% ± 1% ± 1% ± 1% ± 1% Linear Regulation Note4 ± 0. 5%	Product No.		WSL-100-12	WSL-100-24	WSL-120-12	WSL-120-24	
Current Range	DC voltage		12V	24V	12V	24V	
Rated Power	Output	Rated Current	8. 3A	4. 17A	10A	5A	
Note Course Cou		Current Range	0-8.3A	0-4. 17A	0-10A	0-5A	
Output Voltage adjustment 10.8-13.2V 22-27.6V 10.8-13.2V 22-27.6V Voltage tolerance Note3 ±1% ±1% ±1% ±1% ±1% Linear Regulation Note4 ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% Load Regulation Note5 ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% Setup and rise time 1000ms, 30ms/230VAC 100ms, 30ms/110V 100ms/115AC 100ms/115AC Input Voltage range AC 110V±15%/AC 220±15% Frequency range 50HZ/60HZ Efficiency (Typ) 81% 83% 81% 83% AC current (Typ) 1.89A/110V 0.95A/220V 95A/220V Surge (Inrush) current (Typ) Cold start: 65A/230VAC 2cmA/240VAC Overload Protection type: Hiccup mode, recovers automatically after fault condition is remove a construction type: Hiccup mode, recovers automatically after fault condition is remove a construction type: Hiccup mode, recovers automatically after temperature is normal. Protection Overheat protection starts when temperature in transistor over 140°C Recovers automatically after temperature is normal. Working temp. 20~90% RH, Non-condensing<		Rated Power	100W	100W	120W	120W	
Voltage tolerance Note3		Ripple and Noise(Max)Note.2	150mVp-p		150mVp-p	240mVp-p	
Linear Regulation Note4		Voltage adjustment	10.8-13.2V	22-27.6V	10.8-13.2V	22-27. 6V	
Load Regulation Note5		Voltage tolerance Note3	$\pm 1\%$	$\pm 1\%$	<u>±</u> 1%	±1%	
Setup and rise time		Linear Regulation Note4	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	
Hold up time (Typ)		Load Regulation Note5	$\pm 0.5\%$			$\pm 0.5\%$	
Voltage range		Setup and rise time					
Frequency range		Hold up time (Typ)					
Ffficiency (Typ)		Voltage range					
AC current (Typ)							
AC current (Typ) 1.89A/110V 0.95A/220V	Input	Efficiency (Typ)	81%	= = · ·		83%	
	Input		1.89A/110V 0.95A/220V				
Protection Overload Overload Protection type: Hiccup mode, recovers automatically after fault condition is removed automatically after fault condition is removed automatically after temperature in transistor over 140°C Recovers automatically after temperature is normal. Working temp. Working humidity Storage temp & hmdty Temp. coefficient Vibration proof Safety reg. & EMC (Note.6) EMC (Note.6) EMC disturbance proof Overheat protection starts when temperature in transistor over 140°C Recovers automatically after fault condition is removed automatically after fault condition is automatically after fault condition is proved automatically after fault condition is		Surge (Inrush) current (Typ)					
Protection type: Hiccup mode, recovers automatically after fault condition is remove 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 Vibration proof Safety reg. & EMC (Note.6) EMC disturbance proof EMC disturbance proof Protection type: Hiccup mode, recovers automatically after fault condition is remove Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after fault condition is remove Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after fault condition is remove Overheat protection starts when temperature in transistor over 140 °C Recovers automatically after fault condition is remove over 140 °C Recovers automatically after fault condition is remove over 140 °C Recovers automatically after fault condition is remove over 140 °C Recovers automatically after fault condition is remove over 140 °C Recovers automatically after fault condition is remove over 140 °C Recovers automatically after feult condition is remove over 140 °C Recovers automatically after feult condition is remove proof and the protection starts when temperature in transistor over 140 °C Recovers automatically after temperature in transistor over 140 °C Recovers automatically after feult condition is remove prof and the protection starts when temperature in transistor over 140 °C Recovers automatically after feult condition is remove prof and the protection of the protection for all one 140 °C Recovers automatically after fault condition is remove prof and the protection for all one 140 °C Recovers automatically after fault condition is remove prof and the protection for all one 140 °C Recovers automatically after fault condition is remove prof and the protection for all one 140 °C Recovers automatically after fault condition is proved by the proof of the protection for all one 140 °C Recovers		Leakage Current	<2mA/240VAC				
Protection Over temperature Description		Overload					
Over temperature Recovers automatically after temperature is normal. Working temp. $-20 \sim +60 ^{\circ}\text{C}$ Working humidity $20 \sim 90\% \text{RH, Non-condensing}$ Storage temp & hmdty $-40 \sim +80 ^{\circ}\text{C}$ Temp. coefficient $\pm 0.03\% /^{\circ}\text{C} (0 \sim 50 ^{\circ}\text{C})$ Vibration proof $10 \sim 500\text{HZ,5G } 10\text{min/1 } \text{ cycle, period for } 60\text{min. each along X. Y. Z axes}$ Safety reg. & EMC Safety regulation GB195110. $1-2004/\text{IEC61347} - 1:2003 \text{CE } (\text{EMC+LVD})$ Voltage proof $1/P-0:3750\text{KVAC} 1/P-\text{FG}:1.5\text{KVAC} 0/P-\text{FG}:0.5\text{KVAC}$ Isolation resistance $1/P-0/P, 1/P-\text{FG}, 0/P-\text{FG}:100M 0\text{hms/}500\text{VDC/}25 ^{\circ}\text{C}/70\% \text{RH}}$ EMC irradiation EMC disturbance proof EM 61000-3-2:1995+A2:2005 EMC disturbance proof Dimensions		Overload					
		Over temperature					
Environment Working humidity $20 \sim 90\%$ RH, Non-condensing $-40 \sim +80$ °C Temp. coefficient $\pm 0.03\%$ °C $(0 \sim 50$ °C) Vibration proof $10 \sim 500$ HZ,5G 10 min/1 cycle, period for 60min. each along X. Y. Z axes Safety reg. & EMC (Note.6) EMC disturbance proof $1/P - 0.3750$ KVAC $1/P - FG.1.5$ KVAC $1/P - FG.0.5$ EMC disturbance proof $1/P - 0/P$, $1/P - FG.0/P - FG.100$ Mohms/ 500 VDC/ 25 °C/ 70% RH EMC disturbance proof $1/P - 0/P$, $1/P - FG.0/P - FG.100$ Mohms/ $1/P - 1/P - 1/P$		Marking town					
EnvironmentStorage temp & hmdty $-40 \sim +80 ^{\circ}\text{C}$ Temp. coefficient $\pm 0.03\%/^{\circ}\text{C}$ ($0 \sim 50 ^{\circ}\text{C}$)Vibration proof $10 \sim 500$ HZ,5G 10 min/1 cycle, period for 60min. each along X, Y, Z axesSafety reg. & EMC (Note.6)Safety regulation $GB195110.1-2004/IEC61347-1:2003$ CE (EMC+LVD)Isolation resistance $I/P-0:3750$ KVAC $I/P-FG:1.5$ KVAC $0/P-FG:0.5$ KVACIsolation resistance $I/P-0/P$, $I/P-FG$, $0/P-FG:100M$ 0hms/500VDC/25 $^{\circ}$ C/70% RHEMC irradiationEN 55015:2006; EN61000-3-2:1995+A2:2005EMC disturbance proofEN 61000-3-2:2006;Dimensions $254*58*26$ mm ($I*W*H$)							
Temp. coefficient $\pm 0.03\%$ /°C (0~50°C) Vibration proof 10~500HZ,5G 10min/1 cycle, period for 60min. each along X、Y、Z axes Safety reg. & EMC (Note.6) Safety regulation GB195110. 1−2004/IEC61347−1:2003 CE (EMC+LVD) Voltage proof I/P−0:3750KVAC I/P−FG:1.5KVAC 0/P−FG:0.5KVAC Isolation resistance I/P−0/P, I/P−FG, 0/P−FG:100M 0hms/500VDC/25°C/70% RH EMC irradiation EN 55015:2006;EN61000−3−2:1995+A2:2005 EMC disturbance proof EN 61000−3−2:2006; Dimensions 254*58*26mm (I.*W*H)							
Vibration proof $10\sim500$ HZ,5G 10 min/1 cycle, period for 60 min. each along X、Y、Z axes Safety reg. & GB195110. $1-2004/$ IEC61347 $-1:2003$ CE (EMC+LVD) Voltage proof $I/P-0:3750$ KVAC $I/P-FG:1.5$ KVAC $0/P-FG:0.5$ KVAC Isolation resistance $I/P-0/P$, $I/P-FG$, $0/P-FG:100$ M 0 hms/ 500 VDC/ 25 °C/70% RH EMC irradiation EN $55015:2006$; EN6 $1000-3-2:1995+A2:2005$ EMC disturbance proof EN $61000-3-2:2006$; Dimensions $254*58*26$ mm ($1*W*H$)							
Safety reg. & EMC (Note.6) Safety regulation GB195110. 1-2004/IEC61347-1:2003 CE (EMC+LVD) Voltage proof (I/P-0:3750KVAC I/P-FG:1. 5KVAC 0/P-FG:0. 5KVAC I/P-FG:1. 5KVAC 0/P-FG:0. 5KVAC I/P-FG:0. 5KVAC I/P-FG:0. 5KVAC I/P-FG:0. 5KVAC I/P-FG:0. 5KVAC I/P-FG:0. 5KVAC 0/P-FG:0. 5KVAC 0/P-FG:							
Safety reg. & Voltage proof I/P-0:3750KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC I/P-0/P, I/P-FG, 0/P-FG:100M Ohms/500VDC/25 °C/70% RH	EMC	·					
Solitor Fig. 10 EMC Isolation resistance I/P-0/P, I/P-FG, 0/P-FG:100M 0hms/500VDC/25 °C/70% RH		, <u> </u>					
(Note.6) EMC irradiation EN 55015:2006; EN61000-3-2:1995+A2:2005 EMC disturbance proof EN 61000-3-2:2006; Dimensions 254*58*26mm (L*W*H)		ŭ ,					
EMC disturbance proof EN 61000-3-2:2006; Dimensions 254*58*26mm (L*W*H)							
Dimensions 254*58*26mm (L*W*H)		EMC disturbance proof					
201.00.20mm (D.11.11)	Others	·	254*58*26mm (L*W*H)				
Others Packing 0. 555kg/PCS; 30PCS/16. 7kg		Packing					
1. Unless specially indicated, all data are taken under 230VAC input, rated load and 25°C environment temp.	Remark	1. Unless specially indicated, all data are taken under 230VAC input, rated load and 25 $^\circ{ m C}$ environment temp.					
2.Ripple and noise: measured with a 12" double ripple cord connected in parallel with a 0.1μF and a 47 μF capacito		2.Ripple and noise: measured with a 12" double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor on					
3.Tolerance(Accuracy): including preset errors, linear adjustment rate and load adjustment rate.		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.		4.Linear adjustment: taken under rated load from low voltage to high voltage.					
5.Load adjustment: taken under 0~100% of rated load.		5.Load adjustment: taken under 0~100% of rated load.					
6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EM		6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EMC.					



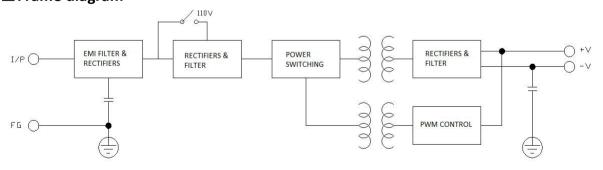
■ Appearance



The lines definition

THE IIIIES GETTINGST				
Line color	line function			
red	OUTPUT+			
black	OUTPUT-			
yellow/green	FG			
Bule	AC/N			
Brown	AC/L			

■ Frame diagram



■ Derating curve

■ Static Characteristics

