



CC6C300A

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# 300W, MSL-300A06



- **Input Voltage / PFC:** 90 ~ 305 Vac / 0.95 (typical)
- **Output Wattage:** 300W, Constant Current – 6 channels
- Fully encapsulated with waterproof **IP67** level compliant,
- Reliability **Protections:** OVP, OTP, SCP
- **High Efficiency:** up to 93%
- **Safety Regulation:** Comply with UL8750 & EN61347
- **MTBF: 300,000 hrs @ 25°C, full load, 110Vac input**
- **Lifetime: 70,000 Hrs @ 110 Vac Input, 80% load, 25°C ambient Temp.**
- **Warranty: 5-year**

Model No.	Output Voltage (V)	Output Current (A)	No. of Channel	OVP (Vmax.)	OCP Hicup (%)	Efficiency (%)	Comment
MSL-T0700IC48.0-300A06	42 - 48	0.7	6	65	110 - 180	93	EUV-300S054ST MSL-T0700IC48-A06

Input Specification					
Parameter	Conditions/ Description	Min.	Normal	Max.	units
Input Voltage Range	Universal Input	90	100 - 277	305	Vac
Input Frequency Range		47		63	Hz
Input Current	100 - 240Vac input, full load output			3.3 / 1.6	A
Power Factor	At 100 - 240Vac Input	0.94			
Inrush Current	At 264Vac Input, 25°C cold start			50	A

Output Specification					
Parameter	Conditions/ Description	Min.	Normal	Max.	units
Line Regulation				±1	%
Load Regulation				±3	%
Ripple and Noise	20MHz Bandwidth, refer Note-1			2	%pk-pk
Voltage Overshoot / Under shoot	% of Vout when power turn on or off			5	%
Turn-On Delay	Measured at 100 - 240Vac Input and Full Load			5	S

General Specification					
Parameter	Conditions/ Description	Min.	Normal	Max.	units
Efficiency	Refer to individual models	90		92	%
MTBF	Per MIL-HDBK-217F @ 25°C ambient temperature, 110Vac input		300,000		Hours
Operating/ Storage Temperature		-35 / -40		70 / 80	°C
Dimension (L x W x H)	EUV -300ST MSL-A06	252.0 x 101.0 x 44.5 / 10.0 x 4.0 x 1.8			mm / inch
Weight	EUV-300ST + MSL-A06	1,540 + 650			g

Safety & EMC Compliance			
Parameter	Standard	Category	Comment
SAFETY	USA & Canada: UL 8750 Compliance to UL 1012, UL 935 CAN/ CSA-22.2 No. 0. CSA-C22.2 No. 250.0	cUL	
	Europe: EN 61347-1, EN61347-2-13	CE	
EMI	Conducted emission Test & Radiated emission Test with 6 dB margin	EN55015	
EMS	Harmonic Distortion, Current Emission	EN61000-3-2	
	Voltage Flicker and Fluctuation	EN61000-3-3	
	Electrostatic Discharge (ESD)	EN61000-4-2	
	Radiated RFI	EN61000-4-3	
	Fast Transients - burst	EN61000-4-4	
	Input Line Surge Immunity	EN61000-4-5	
	Conducted RFI	EN61000-4-6	
	Power Freq Magnetic Field	EN61000-4-8	
	Voltage Dips	EN61000-4-11	
	Electromagnetic Immunity Requirements Applied to Lighting Equipment	EN61547	

Environmental Protection			
Parameter	Standard	Level	Comment
ROHS	European Directive 2002 / 95 / EC	Compliant	



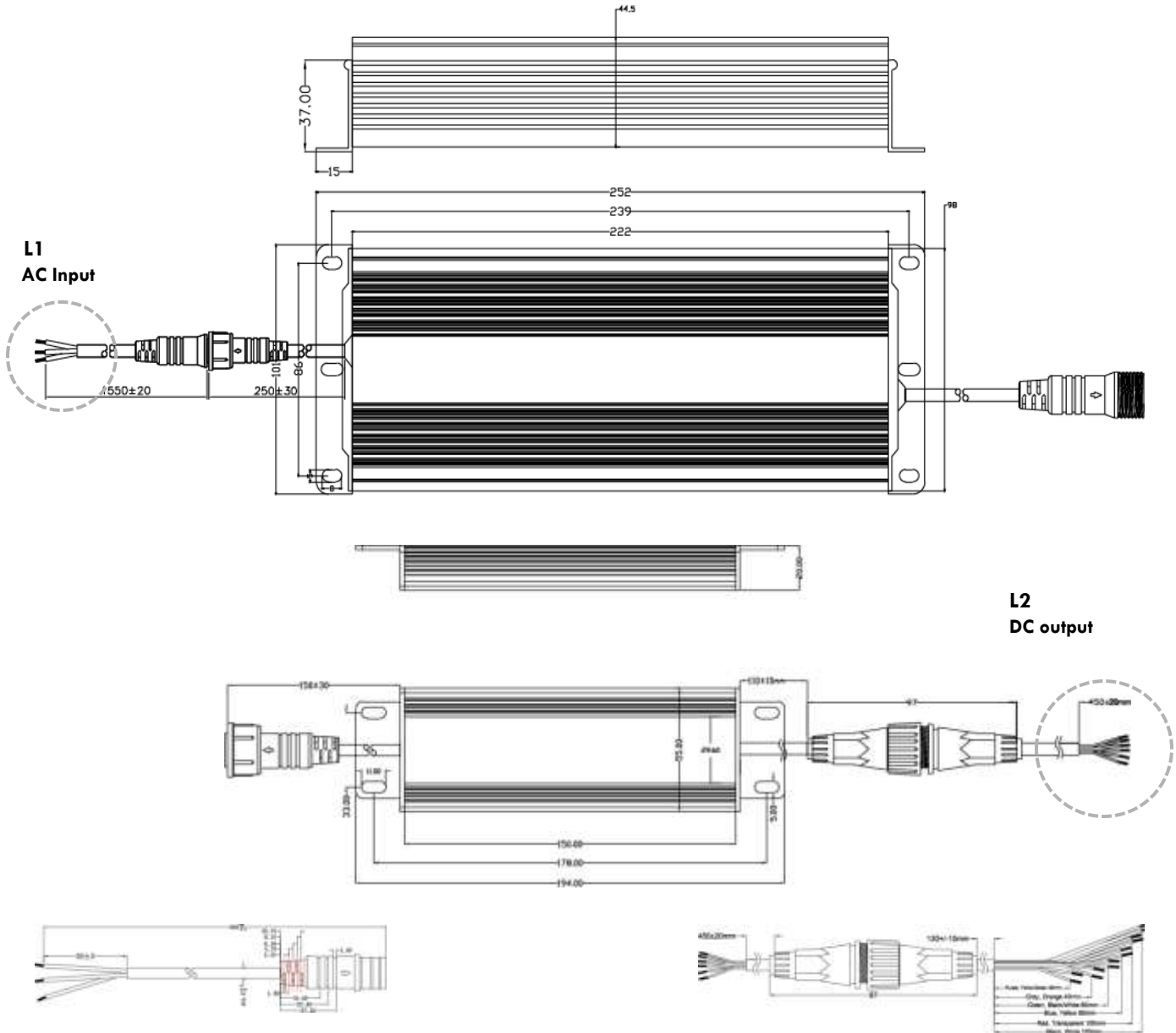
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**Dimension: (L x W X H) (mm/inch)**

- EUV-300: 252.0 x 101.0 x 44.5 / 10.0 x 4.0 x 1.8
- A06: 179.0 x 55.0 x 20.0 / 7.7 x 2.2 x 0.8



**Input wiring assembly**

- Brown (N), Blue (L), Green/Yellow (G) – 200±30mm

**Output wiring assembly**

- White(+), Black (-) / Red (+), Transparent (-)
- Blue (+), Yellow (-) / Green (+), Black/White (-)
- Grey (+), Orange (-) / Purple (+), Yellow/Green (-) – 680±30mm

1. Datasheets are updated as needed and as such, specifications are subject to change without notice.
2. Product labels shown, including safety agency certifications on labels, may vary based on the date manufactured.
3. Mechanical drawings (model No. MSL-T535IC56.0-300A + MSL-T0700IC48-A06) is for reference only. The cable wire configuration may vary from other custom designed models as picture showing. Please contact your sales representative for detail.
4. Specifications are for reference only. All specifications are measured at an ambient temperature of 25°C, humidity < 75%, nominal input voltage and at rated output load unless otherwise specified.