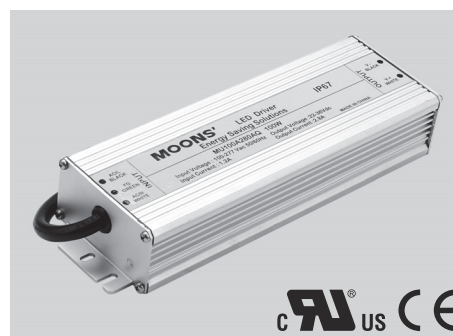


MU100A Series - Constant Voltage Output

Features

- Input voltage range: 90-305VAC
- High efficiency: 93% typical
- Active PFC: 0.99 typical
- Lightning protection
- IP67 compliant
- Protections: OVP, OCP, SCP, OTP
- Comply with UL8750, UL1012, CSA-C22.2 No. 107.1, IEC61347-1, IEC61347-2-13
- UL / CE
- 5-year warranty



221 × 67.5 × 37mm

Electrical Specifications

Input voltage range	90~305VAC
Frequency	47~63Hz
Power factor	0.99 at 110VAC; 0.95 at 220VAC (typical)
Inrush current	65A MAX (25°C, at 220VAC, cold start)
Input current	1.2A MAX at 110 VAC; 0.6A MAX at 220VAC
Efficiency	93% (typical) at 220VAC maximum load
Maximum power	100W
Line regulation	± 1%
Load regulation	± 2%
Leakage current	1mA MAX
Protections	Over voltage, over current, short circuit, over temperature

Environmental Specifications

Operating temperature	-35°C ~ +70°C
Storage temperature	-40°C ~ +85°C
Maximum case temperature	90°C
Humidity	5% ~ 100%RH
Cooling method	Convection
Isolation voltage	Input / output 3000VAC
MTBF	300,000 hours full load at 25°C ambient
Life time	50,000 hours at 50°C ambient
Reference dimension (L x W x H)	211 × 67.5 × 37 (mm)

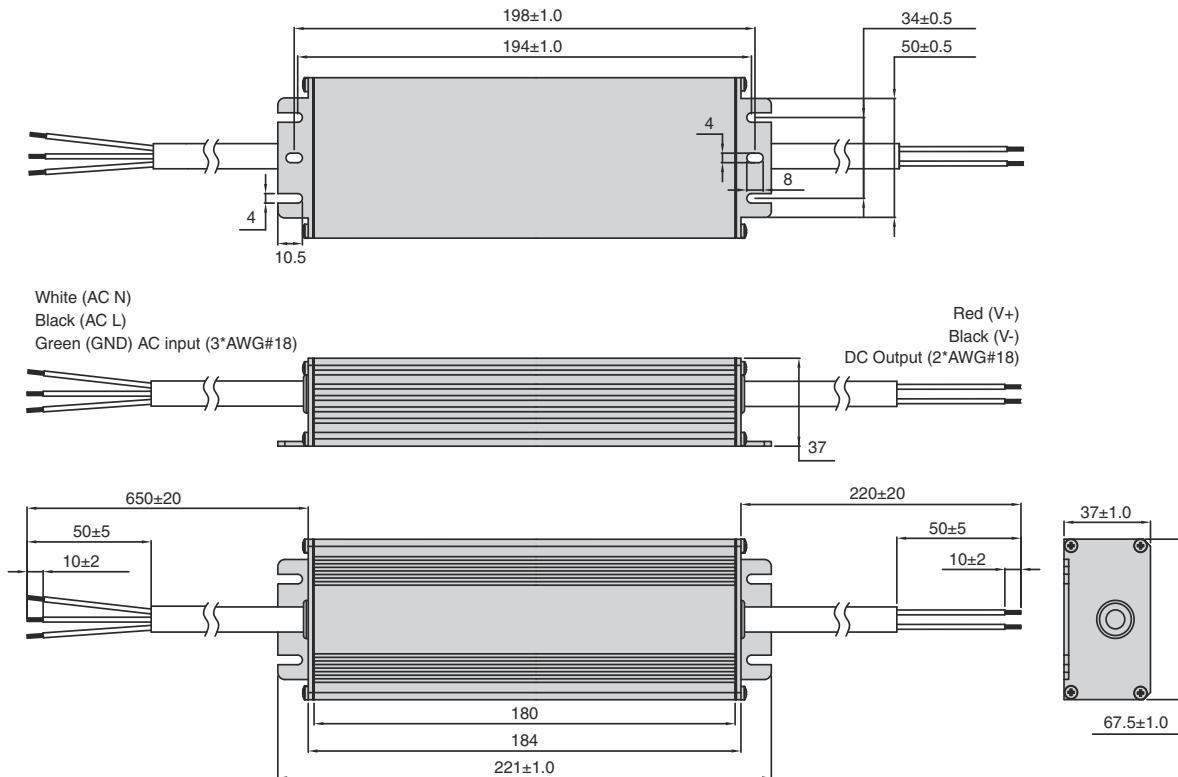
Safety & EMC Compliance

CUL	UL8750, UL1012, CSA-C22.2 No. 107.1
CE	EN 61347-1, EN61347-2-13
Conducted emissions	FCC Part15 / EN55015 Class B
Radiated emissions	FCC Part15 / EN55015 Class B
Harmonic current emissions	EN61000-3-2
Voltage fluctuations and flicker	EN61000-3-3
Electrostatic discharge	EN61000-4-2
RFE field susceptibility	EN61000-4-3
Electrical fast transient	EN61000-4-4
Surge immunity test	EN61000-4-5
Conducted radio frequency	EN61000-4-6
Power frequency magnetic field test	EN61000-4-8
Voltage dips	EN61000-4-11
Electromagnetic immunity	EN61547

Model Specifications - constant voltage

Part Number	Output Voltage	MAX Output Current	Voltage Accuracy	Efficiency (typical)	
				110VAC	220VAC
MU100A012AP	12VDC	8.33A	± 5%	89%	91%
MU100A024AP	24VDC	4.17A	± 5%	90%	92%
MU100A036AP	36VDC	2.77A	± 5%	90%	92%
MU100A042AP	42VDC	2.38A	± 5%	90%	92%
MU100A048AP	48VDC	2.08A	± 5%	90%	92%
MU100A054AP	54VDC	1.85A	± 5%	90%	92%
MU100A081AP	81VDC	1.23A	± 5%	91%	93%
MU100A105AP	105VDC	0.95A	± 5%	91%	93%

Mechanical Outline (unit: mm)



Numbering
System

LED Driver
- General Series
- Outdoor Use
- PU Series

LED Driver
- General Series
- Outdoor Use
- MU Series

LED Driver
- General Series
- Outdoor Use
- Other Types

LED Driver
- General Series
- Indoor Use

LED Driver
- Intelligent Series
- 50W Intelligent Series

LED Driver
- Intelligent Series
- 30W Intelligent Series

LED Driver
- Programmable Series
- Clock Control Series

General
Power Supplies
- MF Series