

MU200H Series

Features

- Input voltage: 90-305VAC
- High efficiency: 93.5% typical
- Active PFC: 0.99 typical
- High surge immunity
- Low THD
- IP67 compliant
- Protections: OVP, OCP, OTP, SCP
- Constant Current / 0-10V Dimming / Clock Dimming(CLK) / Standby(STB)
- Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp locations
- CUL / CE
- 5-year warranty



251 x 67.5 x 40mm

Electrical Specifications

Input voltage range	90~305VAC
Frequency	47~63Hz
Power factor	0.99 (typical) , > 0.90 100~277VAC input, 60%~100% load
Input current	2.4A at 110VAC, 1.2A at 220VAC
Inrush current	65A at 230VAC, 25℃ cold start
Leakage current	1mA MAX at 277Vac/50Hz input
Maximum output power	200W
Line regulation	± 1%
Load regulation	± 3%
Start-up time	<1.2s at 120VAC, <1s at 220VAC
Protections	over voltage, over current, over temperature, short circuit: auto recovery
THD	< 10%, 220VAC, 50Hz input, 70%~100% load < 15%, 110VAC and 277VAC, 60Hz input, 60%~100% load

Environmental Specifications

Operating temperature	-40℃ ~ +70℃
Operating humidity	5 ~ 100% RH
Storage temperature	-40℃ ~ +85℃
Storage humidity	5 ~ 100% RH
Cooling method	convection
Isolation voltage	input / output 3750VAC
MTBF	300,000 hours full load at 25℃ ambient
Life time	50,000 hours, 75℃ TC
Reference dimension (L x W x H)	251 x 67.5 x 40 (mm)
Weight	1.2 kg

Safety & EMC Compliance

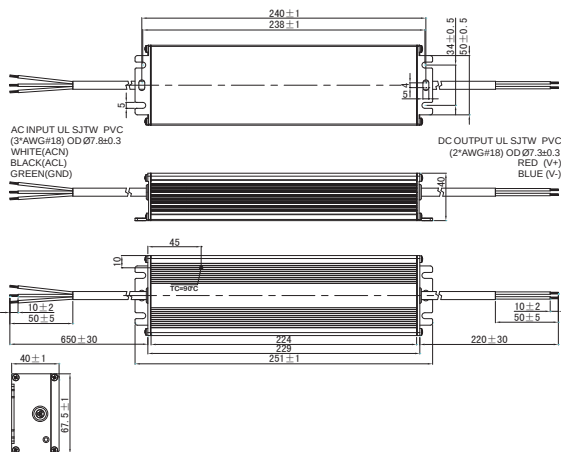
CUL	UL8750, UL1012, CSA-C22.2 NO. 107.1
CE	EN 61347-1, EN61347-2-13
Conducted emissions	FCC Part15 / EN55015 Class B
Radiated emissions	FCC Part15 / EN55015 Class B
Harmonic current emissions	EN61000-3-2
Voltage fluctuations and flicker	EN61000-3-3
Electrostatic discharge	EN61000-4-2
RFE field susceptibility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

Model Specifications

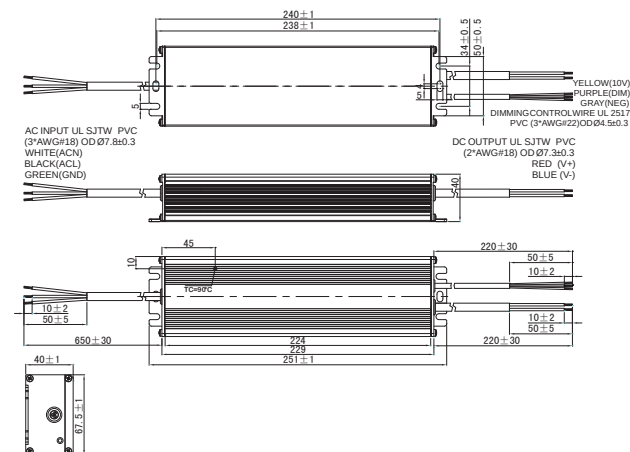
Model				Output Current	Output Voltage	Current Accuracy	Efficiency (typical)	
Constant Current	0-10V Dimming	Clock Dimming	Standby				110Vac	220Vac
MU200H035AQ	MU200H035AQ_0-10V	MU200H035AQ_CLK	MU200H035AQ_STB	350mA	286-571VDC	± 5%	90.5%	93.5%
MU200H045AQ	MU200H045AQ_0-10V	MU200H045AQ_CLK	MU200H045AQ_STB	450mA	222-444VDC	± 5%	90.5%	93.5%
MU200H053AQ	MU200H053AQ_0-10V	MU200H053AQ_CLK	MU200H053AQ_STB	530mA	189-377VDC	± 5%	90.5%	93.5%
MU200H070AQ	MU200H070AQ_0-10V	MU200H070AQ_CLK	MU200H070AQ_STB	700mA	143-285VDC	± 5%	90.5%	93.5%
MU200H105AQ	MU200H105AQ_0-10V	MU200H105AQ_CLK	MU200H105AQ_STB	1050mA	95-190VDC	± 5%	90.0%	93.0%
MU200H140AQ	MU200H140AQ_0-10V	MU200H140AQ_CLK	MU200H140AQ_STB	1400mA	71-142VDC	± 5%	90.0%	93.0%
MU200H175AQ	MU200H175AQ_0-10V	MU200H175AQ_CLK	MU200H175AQ_STB	1750mA	57-114VDC	± 5%	89.0%	92.0%
MU200H210AQ	MU200H210AQ_0-10V	MU200H210AQ_CLK	MU200H210AQ_STB	2100mA	48-95VDC	± 5%	89.0%	92.0%
MU200H245AQ	MU200H245AQ_0-10V	MU200H245AQ_CLK	MU200H245AQ_STB	2450mA	41-81VDC	± 5%	89.0%	92.0%
MU200H280AQ	MU200H280AQ_0-10V	MU200H280AQ_CLK	MU200H280AQ_STB	2800mA	36-71VDC	± 5%	89.0%	92.0%
MU200H315AQ	MU200H315AQ_0-10V	MU200H315AQ_CLK	MU200H315AQ_STB	3150mA	32-63VDC	± 5%	88.5%	91.5%
MU200H375AQ	MU200H375AQ_0-10V	MU200H375AQ_CLK	MU200H375AQ_STB	3750mA	29-57VDC	± 5%	88.5%	91.5%
MU200H420AQ	MU200H420AQ_0-10V	MU200H420AQ_CLK	MU200H420AQ_STB	4200mA	24-48VDC	± 5%	88.5%	91.5%
MU200H490AQ	MU200H490AQ_0-10V	MU200H490AQ_CLK	MU200H490AQ_STB	4900mA	20-40VDC	± 5%	88.0%	91.0%
MU200H560AQ	MU200H560AQ_0-10V	MU200H560AQ_CLK	MU200H560AQ_STB	5600mA	18-36VDC	± 5%	88.0%	91.0%

Mechanical Outline (unit: mm)

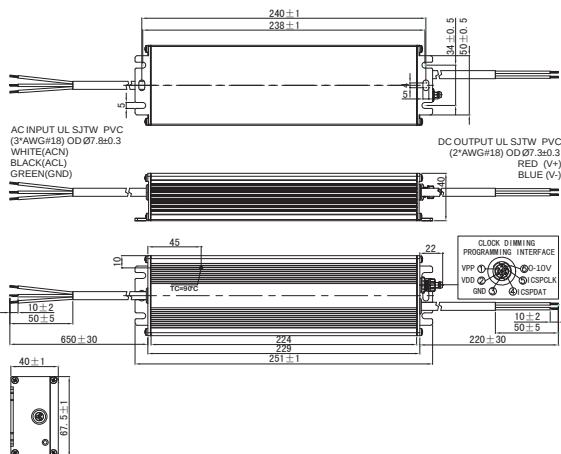
Constant Current



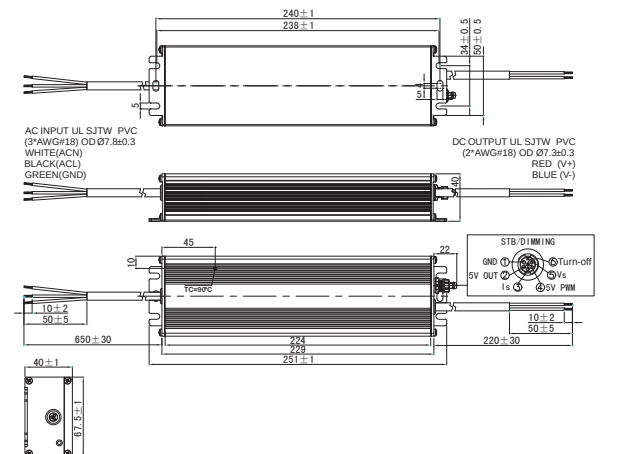
0-10V Dimming



Clock Dimming



Standby



Numbering System

LED Driver
- General Series
- Outdoor Use
- A Series

LED Driver
- General Series
- Outdoor Use
- H Series

LED Driver
- General Series
- Outdoor Use
- Half Potated 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

LED Driver
- Programmable Series
- Clock Control Series

General Power Supplies
- MF Series

SPD

Appendix