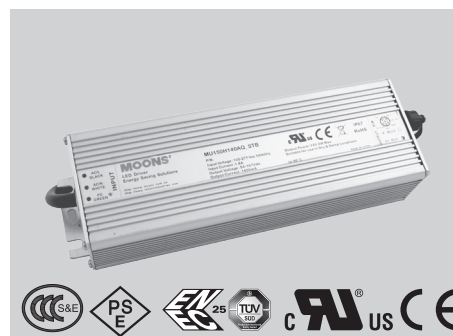


MU150H Series

Features

- Input voltage: 90-305VAC
- High efficiency: 93% 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(CLKS)/Standby(STB)
- Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp locations
- CUL / CE / CCC / ENEC / PSE(Some part numbers complicant)
- 5-year warranty



221 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, 80%~100% load
Input current	1.8A at 100VAC, 0.9A at 220VAC
Inrush current	65A at 230VAC, 25℃ cold start
Leakage current	0.75mA MAX at 277Vac/50Hz input
Maximum output power	150W
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% at 220VAC, input 50Hz, 80%~100% load < 15% at 110VAC and 277VAC, input 60Hz, 80%~100% load

Environmental Specifications

Operating temperature	-40℃ ~ +70℃
Operating humidity	20% ~ 95% RH
Storage temperature	-40℃ ~ +85℃
Storage humidity	10%~ 95% 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)	221 x 67.5 x 40 (mm)
Weight	1.05 kg

Safety & EMC Compliance

CUL	UL8750, UL1012, CSA-C22.2 NO. 107.1
CE	EN 61347-1, EN61347-2-13
Conducted emissions	FCC Part15 Class B / EN55015
Radiated emissions	FCC Part15 Class B / EN55015
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	
PS-P	MU150H035AQ	MU150H035AQ_0-10V	MU150H035AQ_CLKS	MU150H035AQ_STB	350mA	214-428VDC	± 5%	90.0%	93.0%
PS-P	MU150H045AQ	MU150H045AQ_0-10V	MU150H045AQ_CLKS	MU150H045AQ_STB	450mA	167-333VDC	± 5%	90.0%	93.0%
PS-P	MU150H053AQ	MU150H053AQ_0-10V	MU150H053AQ_CLKS	MU150H053AQ_STB	530mA	142-283VDC	± 5%	90.0%	93.0%
PS-P	MU150H070AQ	MU150H070AQ_0-10V	MU150H070AQ_CLKS	MU150H070AQ_STB	700mA	107-214VDC	± 5%	90.0%	93.0%
PS-P	MU150H085AQ	MU150H085AQ_0-10V	MU150H085AQ_CLKS	MU150H085AQ_STB	850mA	88-176VDC	± 5%	90.0%	93.0%
	MU150H105AQ	MU150H105AQ_0-10V	MU150H105AQ_CLKS	MU150H105AQ_STB	1050mA	71-142VDC	± 5%	89.0%	92.0%
PS-P	MU150H120AQ	MU150H120AQ_0-10V	MU150H120AQ_CLKS	MU150H120AQ_STB	1200mA	63-125VDC	± 5%	89.0%	92.0%
PS-P	MU150H140AQ	MU150H140AQ_0-10V	MU150H140AQ_CLKS	MU150H140AQ_STB	1400mA	54-107VDC	± 5%	89.0%	92.0%
PS-P	MU150H150AQ	MU150H150AQ_0-10V	MU150H150AQ_CLKS	MU150H150AQ_STB	1500mA	50-100VDC	± 5%	89.0%	92.0%
	MU150H175AQ	MU150H175AQ_0-10V	MU150H175AQ_CLKS	MU150H175AQ_STB	1750mA	43-85VDC	± 5%	89.0%	92.0%
PS-P	MU150H185AQ	MU150H185AQ_0-10V	MU150H185AQ_CLKS	MU150H185AQ_STB	1850mA	41-81VDC	± 5%	89.0%	92.0%
	MU150H210AQ	MU150H210AQ_0-10V	MU150H210AQ_CLKS	MU150H210AQ_STB	2100mA	36-71VDC	± 5%	89.0%	92.0%
PS-P	MU150H245AQ	MU150H245AQ_0-10V	MU150H245AQ_CLKS	MU150H245AQ_STB	2450mA	31-61VDC	± 5%	89.0%	92.0%
PS-P	MU150H280AQ	MU150H280AQ_0-10V	MU150H280AQ_CLKS	MU150H280AQ_STB	2800mA	27-53VDC	± 5%	89.0%	92.0%
PS-P	MU150H300AQ	MU150H300AQ_0-10V	MU150H300AQ_CLKS	MU150H300AQ_STB	3000mA	25-50VDC	± 5%	88.0%	91.0%
	MU150H315AQ	MU150H315AQ_0-10V	MU150H315AQ_CLKS	MU150H315AQ_STB	3150mA	24-48VDC	± 5%	88.0%	91.0%
PS-P	MU150H350AQ	MU150H350AQ_0-10V	MU150H350AQ_CLKS	MU150H350AQ_STB	3500mA	21-42VDC	± 5%	88.0%	91.0%
PS-P	MU150H420AQ	MU150H420AQ_0-10V	MU150H420AQ_CLKS	MU150H420AQ_STB	4200mA	18-36VDC	± 5%	88.0%	91.0%
PS-P	MU150H500AQ	MU150H500AQ_0-10V	MU150H500AQ_CLKS	MU150H500AQ_STB	5000mA	15-30VDC	± 5%	88.0%	91.0%

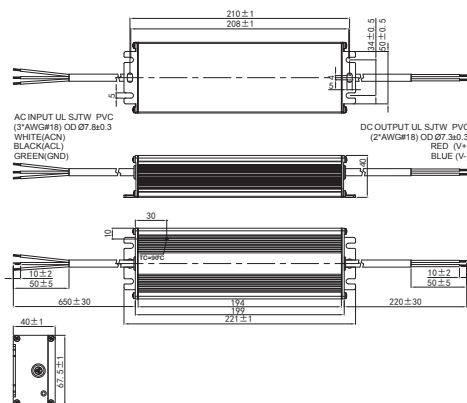
Remarks: 1.The function instruction can be found in the Appendix Page 153~Page 159.

2.For CLKS driver, there's two versions MU150HXXXXA_CLKS/W and MU150HXXXXA_CLKS/C. MU150HXXXXA_CLKS/W using 3 wires dimming port (programming port),MU150HXXXXA_CLKS/C using 3 pins water proof connector dimming port (programming port).

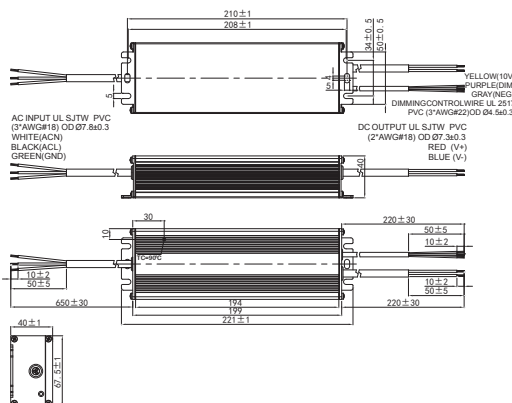
3. CLKS driver is compatible with charged configuration mode and uncharged configuration mode.

■ Mechanical Outline (unit: mm)

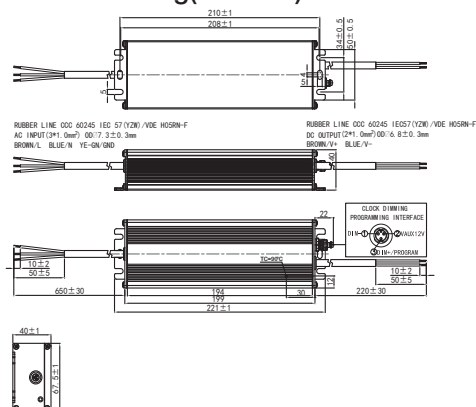
Constant Current



0-10V Dimming / Clock Dimming(CLKS/W)



Clock Dimming(CLKS/C)



Standby

