Numbering System

Quick Selection

LED Driver - General Series - Outdoor Use

LED Driver
- General Series
- Outdoor Use

- General Ser - Outdoor Us - A Series

- LED Driver
 General Series
 Outdoor Use
 Other Series
- LED Driver
 Intelligent Series
- LED Driver
 Intelligent Serie
 40W Intelligent Serie
- LED Driver
- LED Driver
 Intelligent Series
 96W Intelligent Series
- LED Driver
 Intelligent Ser
 Other Series
- General Power Suppl - MF Series

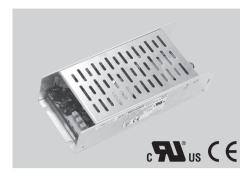
SPD

• Input vol

- Input voltage range 90-305VAC
- High efficiency: 91% typical
- Active PFC: 0.99 typical
- Surge protection

Features

- Constant Current/0-10V Dimming/Clock Dimming(CLKS)
- Protections: OVP, OTP, SCP
- · Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp locations
- CUL/CE
- 5-year warranty



162 × 71 × 40mm

Electrical Specifications

Input voltage range	90~305 VAC 47~63 Hz				
Frequency					
Power factor	0.99 (typical)				
Inrush current	40A Max (at 230 VAC, 25°C, cold start)				
Input current	1.2A Max at 110VAC, 0.6A Max at 220Vac				
Efficiency	89% (typical) at 110 VAC maximum load, 91% (typical) at 220 VAC maximum load				
Maximum power	100W/120W				
Turn on delay	< 1.5S at 220VAC maximum load, < 3S at 110VAC maximum load				
Leakage current	1mA Max (277VAC 50Hz input)				
Protections	Over Voltage, Over Temperature, Short Circuit				

UF100A/UU120A Series - Constant Current Output & Dimming Control

Environmental Specifications

Operating temperature	-35°C ~ +60°C		
Storage temperature	-40°C ~ +85°C		
Operating humidity	10% ~ 90%RH		
Storage humidity	5% ~ 95%RH		
Cooling method	Convection		
MTBF	300,000 hours at full load and 25°C ambient		
Life time	50,000 hours at 40°C ambient		
Reference dimension(L \times W \times H)	162 x 71 x 40 (mm)		

Safety & EMC Compliance

CUL	UL8750					
CE	EN61347-1, EN61347-2-13					
Conducted Emissions	EN55015					
Radiated Emissions	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,L-Earth: ± 4kV;N-Earth: ± 4kV;L-N: ± 2kV					
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 Current

Output Power	Output Current	Output Voltage	Current Accuracy	Efficiency (typical)		Output Current
				110VAC	220VAC	Adj. Range*1
	1000mA	60-100VDC	± 5%	90%	92%	600-1200mA
	1500mA	43-67VDC	± 5%	90%	92%	500-1750mA
100W	2100mA	30-48VDC	± 5%	89%	91%	1400-2300mA
	2500mA	24-40VDC	± 5%	89%	91%	1600-3000mA
	3000mA	24-35VDC	± 5%	89%	91%	1000-3500mA
120W	1500mA	48-80VDC	± 5%	89%	91%	500-1750mA
	2100mA	34-57VDC	± 5%	89%	91%	1400-2300mA
12011	3000mA	24-40VDC	± 5%	89%	91%	1600-3200mA
		1000mA 1500mA 100W 2100mA 2500mA 3000mA 1500mA 2100mA	1500mA 43-67VDC 100W 2100mA 30-48VDC 2500mA 24-40VDC 3000mA 24-35VDC 1500mA 48-80VDC 2100mA 34-57VDC	Output Power Output Current Output Voltage Accuracy 1000mA 60-100VDC ± 5% 1500mA 43-67VDC ± 5% 2500mA 24-40VDC ± 5% 3000mA 24-35VDC ± 5% 1500mA 48-80VDC ± 5% 2100mA 34-57VDC ± 5%	Output Power Output Current Output Voltage Accuracy 110VAC 1000mA 60-100VDC ± 5% 90% 1500mA 43-67VDC ± 5% 90% 2100mA 30-48VDC ± 5% 89% 2500mA 24-40VDC ± 5% 89% 3000mA 24-35VDC ± 5% 89% 1500mA 48-80VDC ± 5% 89% 2100mA 34-57VDC ± 5% 89%	Output Power Output Current Output Voltage Accuracy 110VAC 220VAC 1000mA 60-100VDC ± 5% 90% 92% 1500mA 43-67VDC ± 5% 90% 92% 2100mA 30-48VDC ± 5% 89% 91% 2500mA 24-40VDC ± 5% 89% 91% 3000mA 24-35VDC ± 5% 89% 91% 1500mA 48-80VDC ± 5% 89% 91% 120W 2100mA 34-57VDC ± 5% 89% 91%

^{*1:} Current can be set by adjusting the potentiometer, the maximum output power can not exceed 100W.

■ Model Specifications - 0-10V Dimming Control

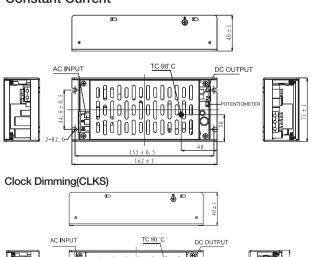
	Output Power	Output Current	Output Voltage	Current Accuracy	Efficiency (typical)		Output Current
Part Number					110VAC	220VAC	Adj. Range*1
UF100A100AQD		1000mA	60-100VDC	± 5%	90%	92%	600-1200mA
c UF100A150AQD		1500mA	43-67VDC	± 5%	90%	92%	500-1750mA
ւ جմ ՝սs UF100A210AQD	100W	2100mA	30-48VDC	± 5%	89%	91%	1400-2300mA
CNUS UF100A250AQD		2500mA	24-40VDC	± 5%	89%	91%	1600-3000mA
c Sus UF100A300AQD		3000mA	24-35VDC	± 5%	89%	91%	1000-3500mA
UU120A150AQD	120W	1500mA	48-80VDC	± 5%	89%	91%	500-1750mA
UU120A210AQD		2100mA	34-57VDC	± 5%	89%	91%	1400-2300mA
UU120A300AQD	12000	3000mA	24-40VDC	± 5%	89%	91%	1600-3200mA

■ Model Specifications - CLOCK Dimming Control (CLKS)

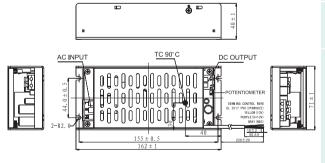
Part Number	Output Power	Output Current	Output Voltage	Current Accuracy	Efficiency (typical)		Output Current
					110VAC	220VAC	Adj. Range*1
UF100A100AQ_CLKS	100W	1000mA	60-100VDC	± 5%	90%	92%	600-1200mA
UF100A150AQ_CLKS		1500mA	43-67VDC	± 5%	90%	92%	500-1750mA
UF100A210AQ_CLKS		2100mA	30-48VDC	± 5%	89%	91%	1400-2300mA
UF100A250AQ_CLKS		2500mA	24-40VDC	± 5%	89%	91%	1600-3000mA
UF100A300AQ_CLKS		3000mA	24-35VDC	± 5%	89%	91%	1000-3500mA
UU120A150AQ_CLKS	- 120W	1500mA	48-80VDC	± 5%	89%	91%	500-1750mA
UU120A210AQ_CLKS		2100mA	34-57VDC	± 5%	89%	91%	1400-2300mA
UU120A300AQ_CLKS		3000mA	24-40VDC	± 5%	89%	91%	1600-3200mA

■ Mechanical Outline (unit:mm)

Constant Current



Constant Current with Dimming Control (0~10V)



Numberi

Quick

LED Driver
- General Serio
- Outdoor Use
- H Series

LED Driver
- General Serie
- Outdoor Use
- Half Potted Serie

LED Driver
- General Series
- Outdoor Use

LED Driver
- General Series
- Outdoor Use
- Other Series

LED Driver
- Intelligent Series
- 30W Intelligent Series

LED Driver
- Intelligent Series
- 40W Intelligent Series

ED Driver Intelligent Series 50W Intelligent Series

LED Driver
Intelligent Series
96W Intelligent Series

LED Driver - Intelligent Serie - Other Series

General Power Supplies - MF Series

SPD

Appendi