LED POWER SUPPLY | 300W@5V | Rainproof

SANPU

Features:
- 175-240V AC input
- Single Output
- 85% high efficiency
- 100% full load bur-in test
- Protection: OTP,OLP,OVP,SCP
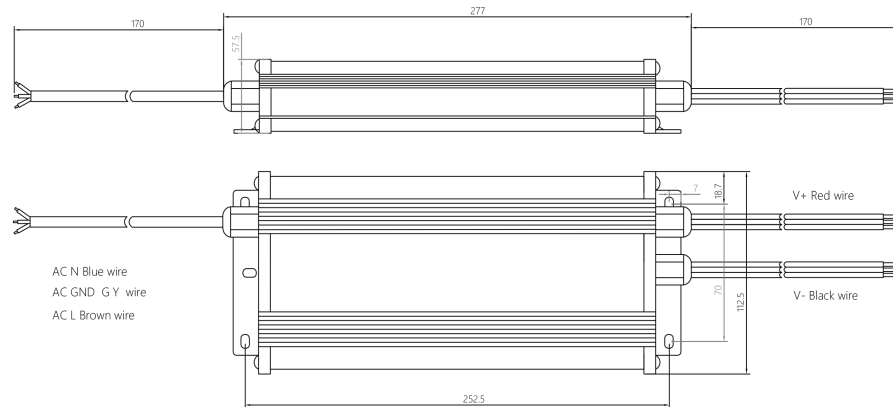- CE ROHS Certified
- 3 year warranty

Applications:
- Outdoor LED lighting
- LED office lighting
- LED commercial lighting
- LED decorative lighting

Specifications

	Product Code	FX300-H1V5
Output	DC Voltage	5V
	Rated Current	60A
	Current Range	0~60A
	Voltage tolerance	±5%
	Rated Power	30W
	Ripple & Noise	<120mVp-p
	Set-up, Rise , Hold-up Time	200ms, 50ms , 20ms
Input	Input voltage range	175-240 VAC
	Frequency Range	50~60Hz
	AC Current	2A / 230VAC
	Efficiency	85%
	PF	0.6
Protection	Over Load	**Above 110%-150% of rated power**
		Shut-down output voltage, auto recovery after fault condition is removed
	Over Voltage	**Above Max. Voltage (105% of rated voltage)**
		Shut-down output voltage, auto recovery after fault condition is removed
	Over Temperature	**Over 130°C detected on main IC control**
		Shut-down output voltage, auto recovery after fault condition is removed
Ambiant	Working Temp. & humidity	"-20°C~+60°C, 20%~90%RH
	Storage temp. & humidity	"-40°C~+85°C, 10%~95%RH
Tesings	Withstand voltage	I/P-O/P: 1.5KVAC/1min; I/P-F/G: 1.5KVAC/1min;O/P-F/G: 0.5KVAC/1min;
	Safety	GB4943 ;IEC60950-1; EN60950-1
	EMC	EN 55032:2015+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021 EN55035:2017+A11:2020
	LVD	EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
Others	Demension(L*W*H)	265*112*58mm
	Packing	0.99kg/pcs, 21pcs/21kg/CTN

Mechanical Structures

■Drawing & Installation Hole

170　277　170

57.5

7　18.7　V+ Red wire

AC N Blue wire
AC GND G Y wire
AC L Brown wire

70　112.5　V- Black wire

252.5

Wiring Diagram

1. Without Dimming

AC Power
50/60Hz

AC N Blue wire
AC GND G Y wire
AC L Brown wire

V+ Red wire

V- Black wire

2. With Dimming

Sensor head: ER, EW , EC, ED, ED(C), EB, EB(C), EM

AC Power
50/60Hz

AC N Blue wire
AC GND G Y wire
AC L Brown wire

V+ Red wire

V- Black wire

2.4G CV1

(Optional Accessory)

RF remote
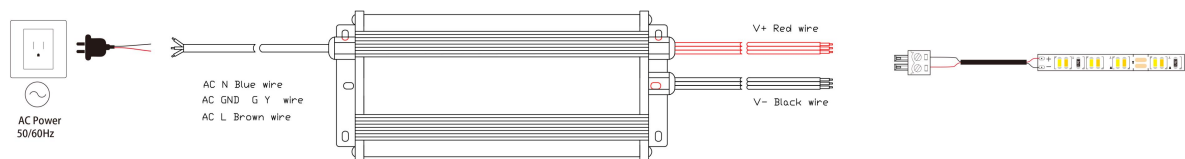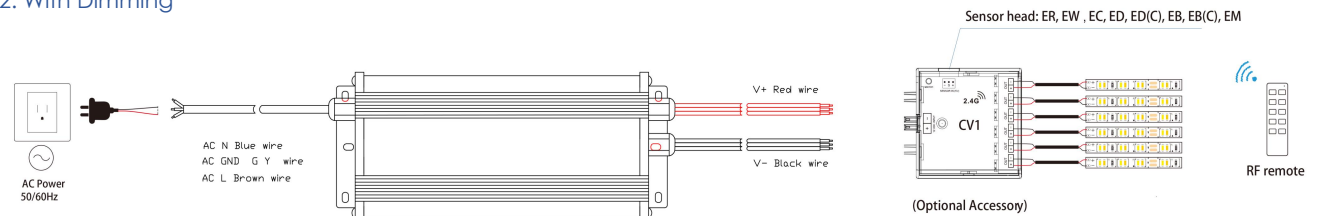
■Outputload VS Temperature

LOAD (%)

100
80
60
40
20

-25 -20 -10 0 10 20 30 40 50 60 70 (HORIZONTAL)

AMBIENT TEMPERATURE (℃)

■Static characteristic

LOAD (%)

100
90
80
70
60
50
40

180 ~ 264VAC
90 ~ 132VAC

90   95   100 105 110 115 120 125 132
180 190 200 210 220 230 240 250 264

INPUT VOLTAGE (VAC) 60Hz
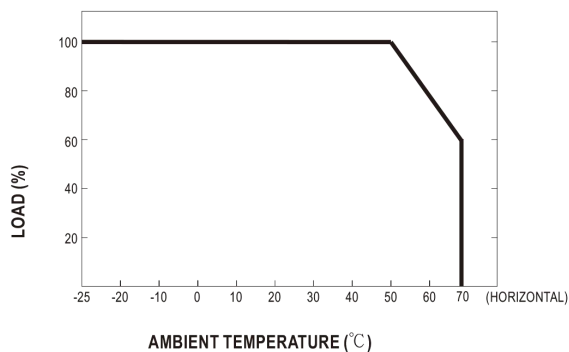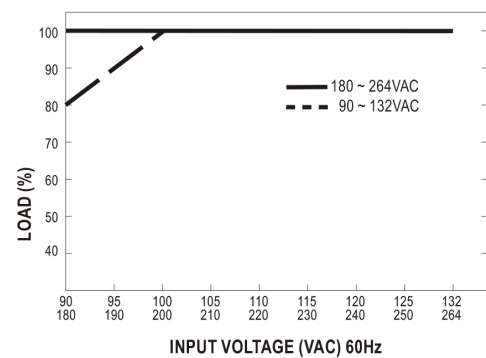
Notes:

1. The above mentioned data were measured at 230VAC input and 25°C.
2. Dis-connect the AC input before checking any mal-phenomenons.
3. Make sure the INPUT&OUPUT were in right situation before connected to power supply.
4. Datesheet for reference only. We suggest you take sampling before mass orders.