

## 2130\_Schaltnetzteil GLG-200-12 12V 200W 16,6A IP67



### ■ Features:

- CV + CC mode power supply
- Built-in active PFC function
- Universal AC input / Full range
- Protections: Short circuit / Over current / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- IP67 design



### ELECTRICAL SPECIFICATION

MODEL	GLG-200-12		GLG-200-24
OUTPUT			
RATED VOLTAGE	12V		24V
RATED CURRENT	16.6A		8.33A
RATED POWER	199.2W		199.92W
RIPPLE & NOISE (max.) [3]	360mV <sub>p-p</sub>		720mV <sub>p-p</sub>
TOLERANCE [4]	±3%		
LINE REGULATION	±1%		
LOAD REGULATION	±2%		
SETUP, RISE TIME [5]	1000ms, 80ms / 230VAC; 1000ms, 80ms / 115VAC		
HOLD UP TIME (typ.)	30ms / 115VAC, 60ms / 230VAC		
INPUT			
VOLTAGE RANGE	90 ÷ 264VAC		
FREQUENCY RANGE	47 ÷ 63Hz		
EFFICIENCY (typ.)	87%		87%
AC CURRENT (typ.)	2.2A/115VAC, 1.1A / 230VAC		
POWER FACTOR	PF > 0.95 / 230VAC; PF > 0.98 / 115VAC at full load		
INRUSH CURRENT (typ.)	65A / 230VAC		
LEAKAGE CURRENT(max.)	1mA / 240VAC		
PROTECTIONS			
SHORT-CIRCUIT	Type: hiccup mode, auto-recovery.		
OVER CURRENT	Range: 95 ÷ 120% rated current		
	Type: constant current limiting, auto-recovery.		
OVER VOLTAGE	14.4 ÷ 18V		29 ÷ 36V
	Type: shut down output voltage. Re-power on to recovery.		

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### WORKING ENVIRONMENT

<b>WORKING TEMPERATURE</b>	-30°C ÷ 70°C (Refer to Derating Curve)
<b>WORKING HUMIDITY</b>	20 ÷ 95% RH non-condensing
<b>STORAGE TEMPERATURE AND HUMIDITY</b>	-40°C ÷ 80°C, 10 ÷ 95% RH non-condensing
<b>TEMPERATURE COEFFICIENT</b>	± 0.03% / °C (0°C ÷ 50°C)
<b>VIBRATION</b>	10 ÷ 500Hz, 5G, 10min / cycle, period for 60min. each along X, Y, Z axes

### SAFETY AND EMC REGULATIONS

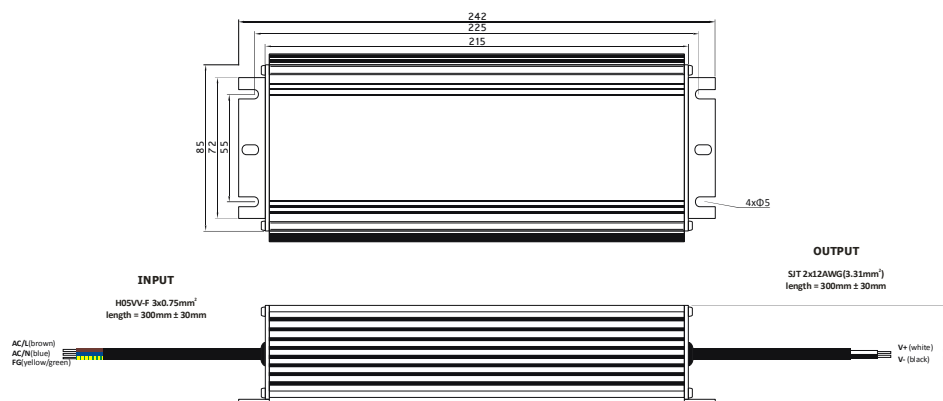
<b>SAFETY STANDARDS</b>	Compliance to EN61347-1, EN61347-2-13, IP65
<b>WITHSTAND VOLTAGE</b>	I-P/O-P: 3kVAC; I-P/GND: 1.5kVAC; O-P/GND: 0.5kVAC
<b>ISOLATION RESISTANCE</b>	I-P/O-P, I-P/GND, O-P/GND: 100MΩ/500VDC/25°C/70%
<b>EMC EMISSION</b>	Compliance to EN55015
<b>EMC IMMUNITY</b>	Compliance to EN61547; EN55024; EN61000-4-2, -3, -4, -5, -6, -8, -11
<b>HARMONIC CURRENT</b>	Compliance to EN61000-3-3; EN61000-3-2 class C (≥ 90% load)

### OTHERS

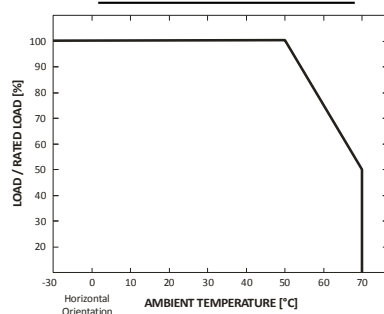
<b>DIMENSIONS</b>	242 x 96 x 50mm
<b>WEIGHT AND PACKING</b>	1.8kg; 10pcs./box; box weight and dimensions: 18kg; 30 x 29 x 24.5cm

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Constant current operation region is within announced range. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
4. Tolerance includes set up tolerance, line regulation and load regulation.
5. Setup and rise time is measured from 0 to 90% rated output voltage.
6. Power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualify to comply with EMC Directives.

### MECHANICAL SPECIFICATION



### DERATING CURVE



### STATIC CHARACTERISTIC

