

# AGC-16 series

16W Constant Current Power Supply



## ■ Features:

- Constant current design
- European AC input range
- Protections: Short circuit / Over Temperature
- Cooling by free air convection
- Isolation class II
- Double insulation of Input and output wires
- IP40 Protection level

tc: 90°C  
ta: 40°C  
CONSTANT CURRENT



## ⊙ ELECTRICAL SPECIFICATION

<b>MODEL</b>	<b>AGC-16-350</b>
--------------	-------------------

### OUTPUT

No Load Voltage (max.)	54V
Rated Current	350mA
Voltage Range	18 ÷ 48V
Rated Power	16.8W
Voltage Ripple & Noise (max.) [2]	150mV <sub>p-p</sub>
Current Ripple (max.)	60mA <sub>p-p</sub>
Line Regulation	± 2%
Load Regulation	± 5%
Current Accuracy	± 8%
Setup, Rise Time [3]	300ms, 20ms / 230VAC at full load
Hold up Time (typ.)	10ms / 230VAC at full load

### INPUT

Voltage Range	180 ÷ 264VAC; 254 ÷ 370VDC					
Frequency Range	47 ÷ 63Hz					
Efficiency (typ.)	82.5%					
AC Current (typ.)	0.18A / 230VAC					
Inrush Current (typ.)	32A / 230VAC; T <sub>WIDTH</sub> (50% peak) = 144µs					
Max. No. Of PSU on Circuit Breaker	B10	B16	C10	C16	D10	D16
	18	30	31	50	50	80
Leakage Current (max.)	0.25mA / 240VAC					

### PROTECTIONS

Short Circuit	Type: hiccup mode, auto-recovery.
Over Temperature	140°C±10°C(detect on main control IC)
	Type: hiccup mode, auto-recovery.

# AGC-16 series

16W Constant Current Power Supply



## WORKING ENVIRONMENT

<b>Working Temperature</b>	-10°C ÷ 70°C (refer to Derating Curve), ta: 40°C; tc: 90°C
<b>Working Humidity</b>	20 ÷ 90% RH non-condensing
<b>Storage Temperature and Humidity</b>	-30°C ÷ 80°C, 10 ÷ 95% RH non-condensing

## SAFETY and EMC REGULATIONS

<b>Safety Regulations</b>	Compliance to EN 61347-1, EN 61347-2-13
<b>Withstand Voltage</b>	IN/OUT: 3kVAC
<b>Isolation Resistance</b>	IN/OUT: 100MΩ/500VDC/25°C/70%
<b>EMC Emission</b>	Compliance to EN55015
<b>EMC Immunity</b>	Compliance to EN61547
<b>Harmonic Current</b>	Compliance to EN61000-3-3; EN61000-3-2

## OTHERS

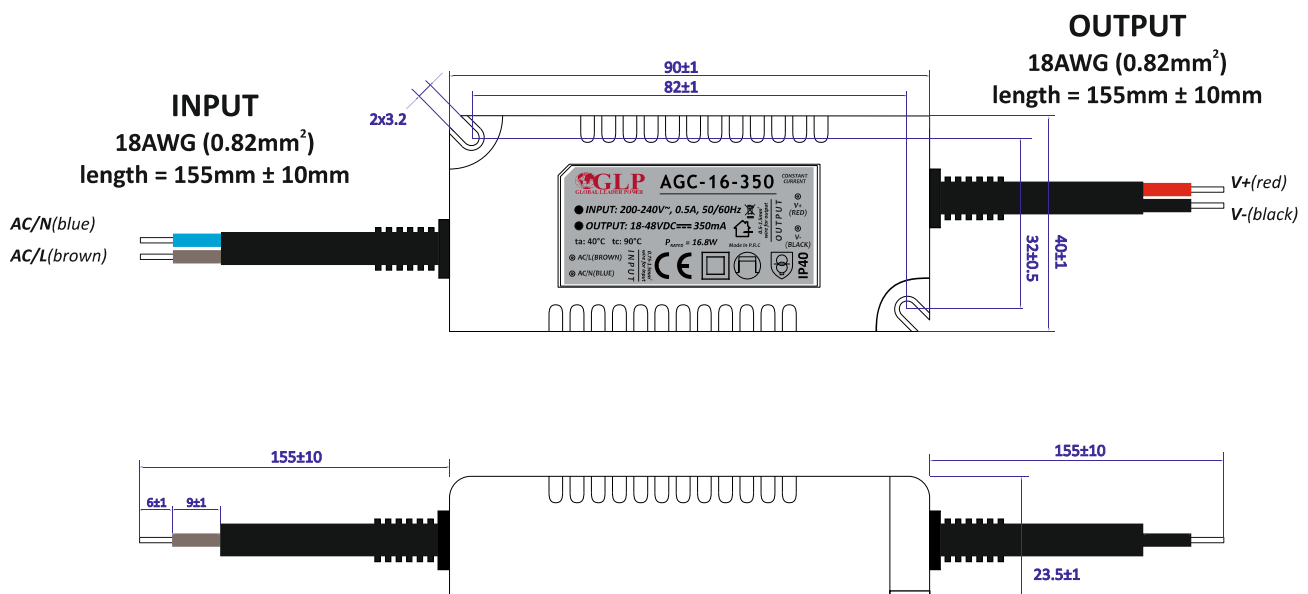
<b>DIMENSIONS</b>	90 x 40 x 23.5mm (L x W x H)
<b>Weight and Packing</b>	90g; 150pcs./ctn; ctn weight and dimensions: 15kg; 41 x 27 x 27cm

EAN Code



1. All parameters NOT specially mentioned are measured at 230VAC input rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Setup and rise time is measured from 0 to 90% rated output voltage.
4. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

## © MECHANICAL SPECIFICATION

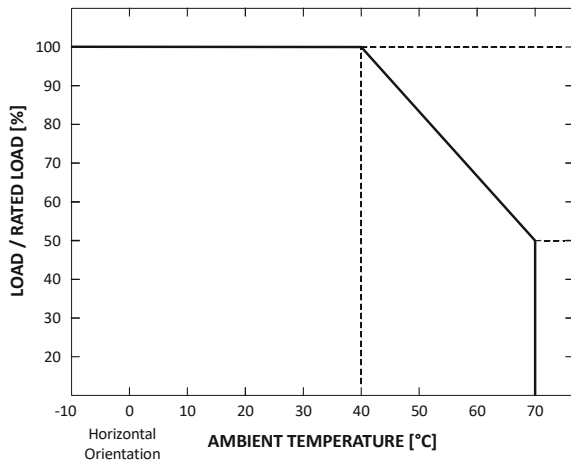


# AGC-16 series

16W Constant Current Power Supply



⊙ DERATING CURVE



⊙ STATIC CHARACTERISTIC

