

# AGC-25 series

25W 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-25-500</b>
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### OUTPUT

No Load Voltage (max.)	58V
Rated Current	500mA
Voltage Range	25 ÷ 50V
Rated Power	25W
Voltage Ripple & Noise (max.) [2]	120mV <sub>p-p</sub>
Current Ripple (max.)	30mA <sub>p-p</sub>
Line Regulation	± 2%
Load Regulation	± 9%
Current Accuracy	± 8%
Setup, Rise Time [3]	400ms, 90ms / 230VAC at full load
Hold up Time (typ.)	20ms / 230VAC at full load

### INPUT

Voltage Range	180 ÷ 264VAC; 254 ÷ 370VDC					
Frequency Range	47 ÷ 63Hz					
Efficiency (typ.)	86.5%					
AC Current (typ.)	0.35A / 230VAC					
Inrush Current (typ.)	16A / 230VAC; T <sub>WIDTH</sub> (50% peak) = 208μs					
Max. No. Of PSU on Circuit Breaker	B10	B16	C10	C16	D10	D16
	25	41	25	41	25	41
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: shut off output voltage. Re-power on to recovery.

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## WORKING ENVIRONMENT

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

## NORMY BEZPIECZEŃSTWA I KOMPATYBILNOŚCI ELEKTROMAGNETYCZNEJ

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

## OTHERS

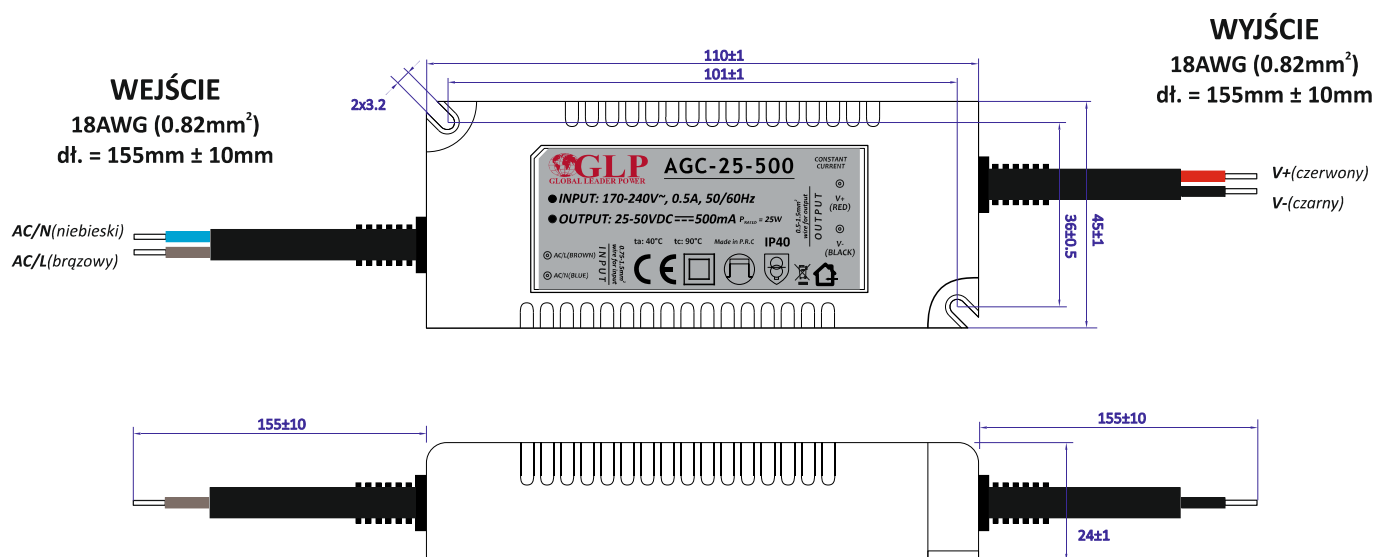
DIMENSIONS	110 x 45 x 24mm (L x W x H)
Weight and Packing	170g; 90pcs./ctn; ctn weight and dimensions: 15kg; 36 x 25 x 27cm

EAN Code



- All parameters NOT specially mentioned are measured at 230VAC input rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
- Setup and rise time is measured from 0 to 90% rated output voltage.
- 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

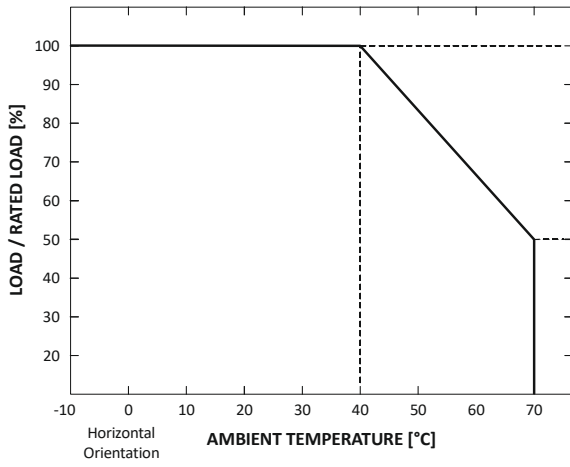


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© DERATING CURVE



© STATIC CHARACTERISTIC

