

# SWITCHED-MODE VOLTAGE SUPPLY

AC/DC 24V/2A

INDUSTRIAL

STANDARD



## MAIN FUNCTIONS

OVER VOLTAGE  
PROTECTION

OVERLOAD  
PROTECTION

SHORT CIRCUIT  
PROTECTION

## CHARACTERISTICS

- Safety Standards EMC Standards
- High power density
- Universal input range
- Convection cooled
- RoHS compliance
- Great reliability
- DIN Rail / Wall bracket mounting solution

AVAILABLE FOR

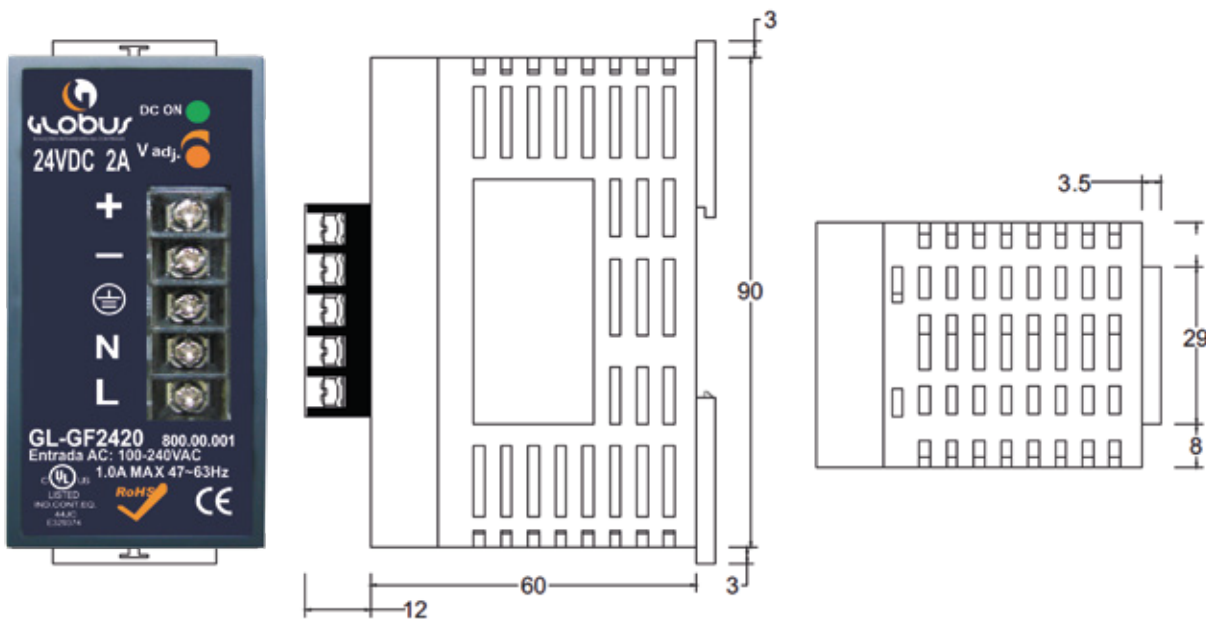
Automation, control cabinet and general purpose



# SWITCHED-MODE VOLTAGE SUPPLY AC/DC 24V/2A

GL-GF2420

MODEL	GL-GF2420	
O/P VOLTAGE ADJUSTMENT	+24VDC±10%	
LOADING	MIN.	0A
	RATED	2.0A
	MAX.	2.0A
RIPPLE NOISE	150mVp-p	
EFFICIENCY	83%	
OVER VOLTAGE PROTECTION	40VDC Max.	



Approximated weight: 290g

TERMINAL ALLOCATION	
DESIGNATION	DESCRIPTION
DC OK	Green LED Indicator
V ADJ.	O/P Voltage adjustment
+	Output Positive
-	Output Negative
≡	Earth
N	Input Neutral
L	Input Line



TECHNICAL DATA	
SWITCHING FREQUENCY	66kHz
ISOLATION VOLTAGE	Input-Output 3000VAC /4242VDC
	Input-FG 1500VAC/2121VDC
	Output-FG 500VAC/ 710VDC
ISOLATION RESISTANCE	100MΩ when Input-Output @500VDC
OPERATING TEMPERATURE	-40°C~50°C ambient
DERATING	2.5% per degree from 50°C to 70°C
STORAGE TEMPERATURE	-40°C to +85°C
RELATIVE HUMIDITY	5%~95% RH, Non-condensing
TEMPERATURE COEFFICIENT	±0.04% of output voltage per °C
MTBF	100,000hrs Min. Per MIL-HDBK-217F, 25°C GB
ATTITUDE DURING OPERATION	2000m
INSTALLATION POSITON	Vertical
VIBRATION	Random Vibration, 10~500Hz. 3 axise

INPUT	
INPUT VOLTAGE	100~240VAC/120~370VDC
INPUT FREQUENCY	47~63Hz
INRUSH CURRENT (COLD START)	11A/115VAC
	22A/230VAC
RATED INPUT CURRENT	1A Max., Vi=100~240VAC
LEAKAGE CURRENT	Input-output 0.25mA, Input-FG 3.5mA, Vi=250VAC

OUTPUT	
OUTPUT VOLTAGE ACCURACY	±1%
MINIMUM LOAD	0%
LINE REGULATION	±1%, measuring from low line to high line rated load
LOAD REGULATION	±1%, measuring from 20% to 100% of rated load 230VAC input
VOLTAGE TRIM RANGE	±10%(Min.)
RATED CONTINUOUS LOADING	4A@5VDC, 2A@12VDC, 1A@24VDC
HOLD UP TIME	30mS Min., Full load@230VAC
TURN ON TIME	300mS
RISE TIME	10mS
FALL TIME	35mS
TRANSIENT RESPONSE	Recovery Time 2mS, Load change 50% to 100%
	Voltage Deviation 5%, Load change 50% to 100%

PROTECTION	
INPUT FUSE	2A/250V
INTERNAL SURGE LOAD PROTECTION	Varistor, IEC6100-4-5
DEGREE OF PROTECTION	IP20
SHORT CIRCUIT PROTECTION	Autorecovery
OVER VOLTAGE PROTECTION	Autorecovery
RATED OVER LOAD PROTECTION	150~250%
OVERLOAD PROTECTION	Power limited

We keep the right to update or change information regarding products without prior notice.





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