GPA18 / GPA45 SERIES

AC / DC Single Output: 18 ~45 Watts

HELIOS POWER SOLUTIONS
www.heliosps.com.au

Features

- Universal input 90 ~ 264VAC
- Energy Star Lev VI
- Industry standard 2pin IEC320 input plug
- Wide range of output connector options
- Fully isolated input – output
- Overload and short circuit protection
- Suitable for a wide range of applications
- Specials output voltage on request
- MTBF 100k hrs

General Specifications

Input Voltage	90 ~ 264VAC
Input Frequency	47 ~ 63Hz
Input Current	Typically 0.4A @ 115vac (GPA181A) Typically 1.0A @ 115vac (GPA451A)
Efficiency	Typically 88%
Leakage Current	0.25mA at 230Vac 60Hz
Output Power	18 - 45 watts
No Load Power	<0.3W
Output Voltage	12 ~ 24VDC
Turn On Delay	Typically 3s
Voltage Range	Fixed
Hold Up time	Typically 10ms
Load Regulation	± 5%
Line Regulation	± 1%
Ripple & Noise	Typically 1% pk-pk 5V 150mV, 12-15V 300mV
Insulation	2pin Class II
Isolation	Input-Output: 3000VAC
Safety	EN60950-1, AS/NZS 60950
EMC	Emission: EN55022 B
Immunity	EN610006-3, -4
Operating Temp.	-0ºC to +40ºC.
Humidity	10 ~ 90% non-condensing
Vibration & Shock	2G at variable frequency of 10-55Hz
Overload Protection	Overload & short circuit protection with auto recovery.
Over temperature Protection	Will latch off in event of high operating temperature.
Connectors	Input via IEC320-C8 Output 2.1m two core & barrel plug Cable length 1.2m
Dimensions	GPA181A: 75 x 51 x 30mm 130g GPA451A: 99 x 48 x 33mm 180g

Description

Then **GPA18 and GPA45** series Desk Top power supplies, offer customers a low cost solution for a wide range of applications.

It's designed for applications requiring up to 45 watts of output power from 5 ~ 24VDC voltage options.

Apart from the voltages illustrated in the tables below, we can offer models to customer specifications, minimum production orders may apply to some models

Output Plug Options

Blank	2.1 x 5.5mm Straight barrel plug Centre +VE
-01	2.5 x 5.5mm Straight barrel plug Centre +VE
-02	Exchangeable Straight barrel plug
-03 / -04	2.1 x 55mm / 2.5 x 5.5mm Right Angle barrel plug

Exchangeable Plugs

Using an exchangeable plug, allows you to convert a 2.1mm plug to 2.5mm or a 2.5mm plug into 2.1mm plug.
Part No: P0644 converts 2.5mm to 2.1mm
Part No: P0645 converts 2.1mm to 2.5mm

Model	Output V	Output A	Power W
GPA181A-050-300	5V	3.0A	18W
GPA181A-120-150	12V	1.5A	
GPA181A-150-120	15V	1.2A	
GPA181A-240-075	24V	0.75A	
GPA451A-120-380	12V	3.8A	45W
GPA451A-135-300	13.5V	3.0A	
GPA451A-150-300	15V	3.0A	
GPA451A-240-190	24V	1.9A	

➢ Other output voltage options on request, contact our office.