



25W AC-DC Triple Output Industrial Adaptor

GP25A series



■ Features

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14, Class I power unit
- No load power consumption < 0.3W
- **Energy efficiency level VI**
- Comply with EISA 2007/DoE
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- -20 ~ +70°C working temperature
- LED indicator for power on
- Dual output available (optional)
- 3 years warranty

■ Applications

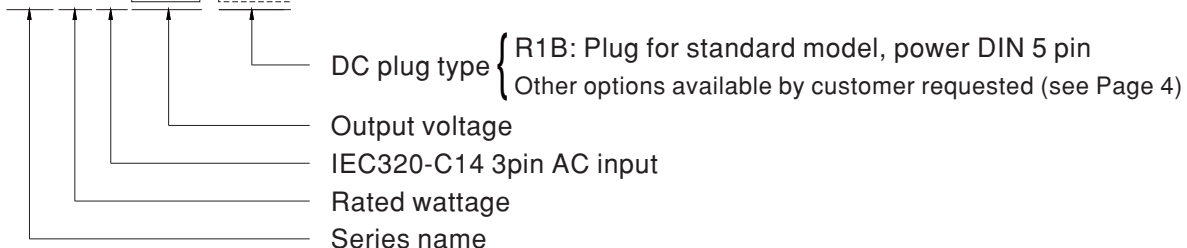
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

■ Description

GP25A is a 25W triple-output desktop type green adaptor series, complying with the mandatory energy saving standard USA EISA 2007/DoE (Level VI). Adopting Class I design and utilizing the standard inlet IEC320-C14, it is designed with FG and uses the 94V-0 flame retardant plastic enclosure, which can effectively prevent electric shock hazards. This series operates from 90~264VAC and offers three models with the output voltage sets +5V/+12V/-5V, +5V/+12V/-12V and +5V/+15V/-15V. Its supreme advantages includes the less-than-0.3W no load power consumption, the capability of working under -20~+70°C ambient temperature, complete protection functions and three-year warranty and the compliance to the international safety certification such as CB, TUV, UL, CE and FCC. GP25A is a multiple-output green adaptor with high safety, high reliability and high quality.

■ Model Encoding

GP25 A 13A -R1B





25W AC-DC Triple Output Industrial Adaptor

GP25A series

SPECIFICATION

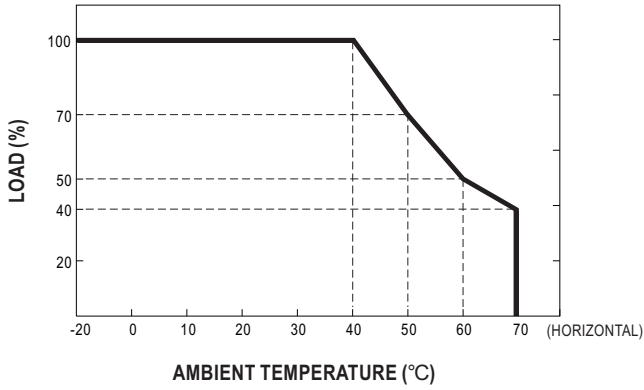
ORDER NO.	GP25A13A-R1B	GP25A13D-R1B	GP25A14E-R1B	
OUTPUT	SAFETY MODEL NO. GP25A13A			
	DC VOLTAGE Note.2 5V 12V -5V 5V 12V -12V 5V 15V -15V			
	RATED SET CURRENT 2.5A 1.2A 0.3A 2.5A 1A 0.3A 2.5A 0.8A 0.3A			
	CURRENT RANGE 0.5 ~ 2.5A 0.2 ~ 1.2A 0.1 ~ 0.3A 0.5 ~ 2.5A 0.2 ~ 1A 0.1 ~ 0.3A 0.5 ~ 2.5A 0.1 ~ 0.8A 0.1 ~ 0.3A			
	RATED POWER 28.5W 28W 29W			
	RIPPLE & NOISE (max.) Note.3 50mVp-p 100mVp-p 50mVp-p 60mVp-p 120mVp-p 50mVp-p 100mVp-p 150mVp-p 50mVp-p			
	VOLTAGE TOLERANCE Note.4 ±5.0% -5.0 ~ +10% ±3.0% ±5.0% -5.0 ~ +5.0% ±3.0% ±5.0% -5.0 ~ +15% ±3.0%			
	LINE REGULATION Note.5 ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0%			
	LOAD REGULATION Note.6 ±5.0% ±5.0% ±3.0% ±5.0% ±5.0% ±3.0% ±5.0% ±5.0%			
	SETUP, RISE, HOLD UP TIME 800ms, 50ms, 20ms / 230VAC 1200ms, 50ms, 16ms / 115VAC at full load			
INPUT	VOLTAGE RANGE Note.7 90 ~ 264VAC 135 ~ 370VDC			
	FREQUENCY RANGE 47 ~ 63Hz			
	EFFICIENCY (Typ.) 80% 80% 80.5%			
	AC CURRENT 0.8A / 100VAC 0.4A / 230VAC			
	INRUSH CURRENT (max.) Cold start 30A / 115VAC 60A / 230VAC			
	LEAKAGE CURRENT (max.) 0.75mA / 240VAC			
PROTECTION	OVERLOAD 110 ~ 160% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	OVER VOLTAGE Protection type : Clamp by zener diode(5V only), output short			
ENVIRONMENT	WORKING TEMP. -20 ~ +70°C (Refer to "Derating Curve")			
	WORKING HUMIDITY 20% ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing			
	TEMP. COEFFICIENT ±0.03% / °C (-20 ~ 40°C)			
	VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC (Note. 8)	SAFETY STANDARDS IEC60950-1, UL60950-1, CSA22.2, EN60950-1 approved			
	WITHSTAND VOLTAGE I/P-O/P:4242VDC, I/P-FG:2121VDC			
	ISOLATION RESISTANCE I/P-O/P,I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
	EMC EMISSION	Parameter	Standard	Test Level / Note
		Conducted emission	EN55032(CISPR32),FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)	Class B
		Radiated emission	EN55032(CISPR32),FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)	Class B
		Harmonic current	EN61000-3-2	Class A
	EMC IMMUNITY	Parameter	Standard	Test Level / Note
		ESD	EN61000-4-2	Level 3, 8KV air; Level 2, 4KV contact
		RF field susceptibility	EN61000-4-3	Level 2, 3V/m
EFT bursts		EN61000-4-4	Level 2, 1KV	
Surge susceptibility		EN61000-4-5	Level 3, 1KV/L-N, 2KV/L,N-PE	
Conducted susceptibility		EN61000-4-6	Level 2, 3V	
Voltage dips, interruption		EN61000-4-11	>95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
OTHERS	LIFE 3 years : 100% load 40°C, 8hours / day			
	MTBF 620K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION 107.5*67*36mm (L*W*H)			
	PACKING 0.3kg; 54pcs / 20kg / CARTON			
CONNECTOR	PLUG See page 4			
	CABLE See page 4			
NOTE	<p>1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.</p> <p>2.DC voltage: The output voltage set at point measure by plug terminal & 50% load.</p> <p>3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1µf & 47µf capacitor.</p> <p>4.Tolerance: includes set up tolerance, line regulation, load regulation.</p> <p>5.Line regulation is measured from low line to high line at rated load.</p> <p>6.When measured between the light load (20% of rated load) and full load, the load regulation is within ±5% whereas the cross regulation is within ±15%.</p> <p>7.Derating may be needed under low input voltages. Please check the static characteristics for more details.</p> <p>8.The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)</p>			



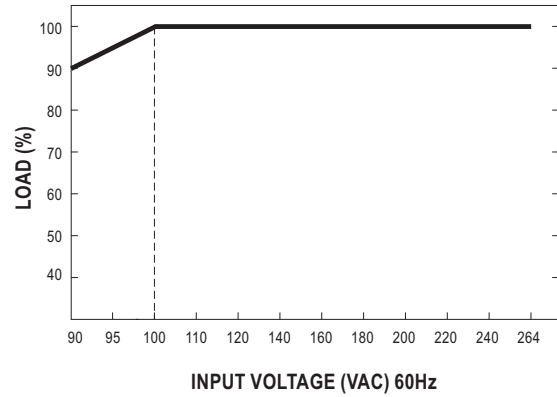
25W AC-DC Triple Output Industrial Adaptor

GP25A series

Derating Curve

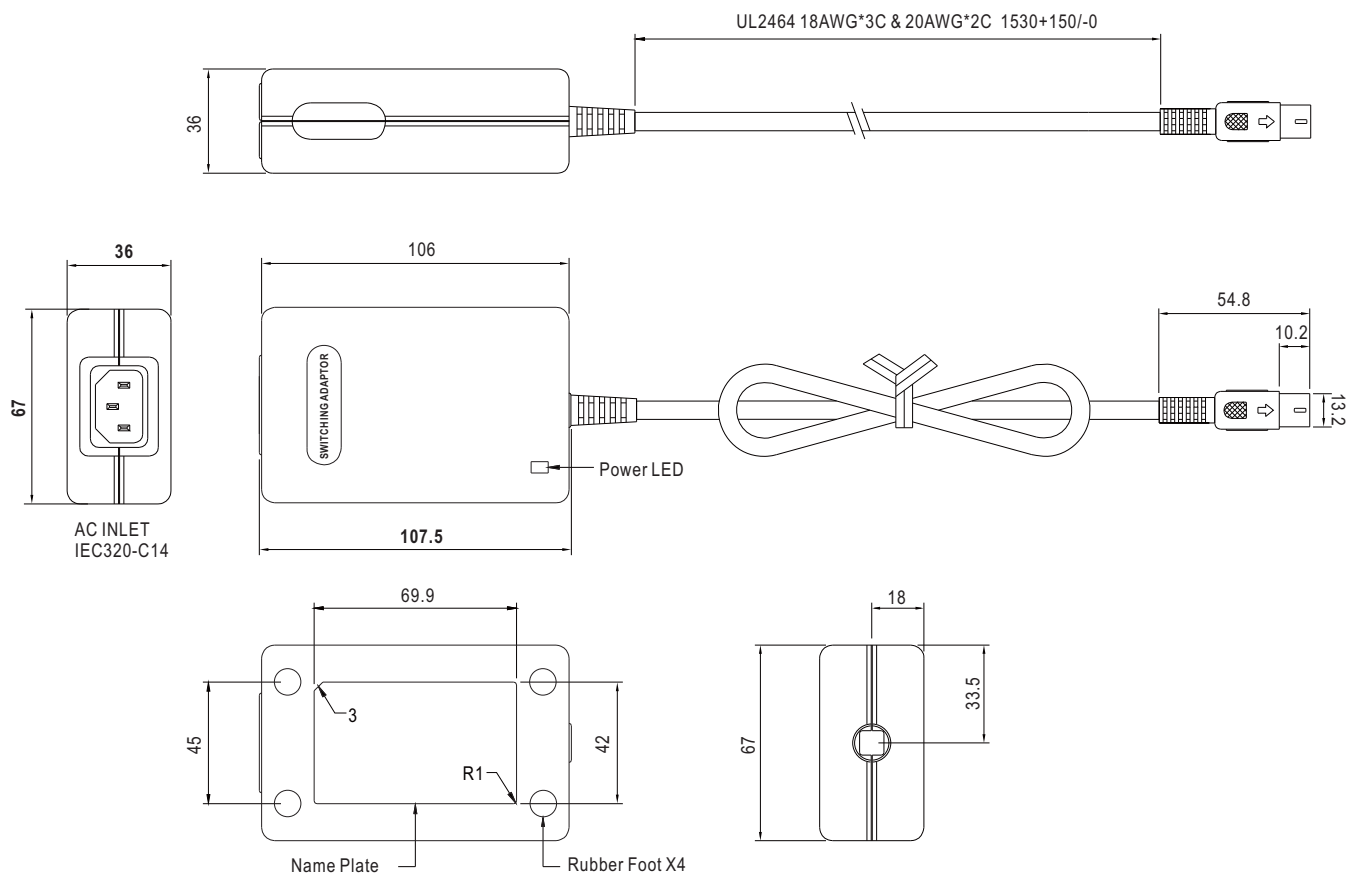


Static Characteristics



Mechanical Specification

Unit:mm





■ **DC output plug**

☉ Standard plug: R1B

DIN 5 Pin (male)	Type No.	Pin Assignment	
		PIN No.	Output
	R1B	1	COM
		2	COM
		3	+5VDC
		4	-Vout
		5	+Vout

☉ Optional DC plug:

Stripped and tinned leads	Type No.	Pin Assignment	
		PIN No.	Output
<p>Length of Land L1 by request (MW's standard length, L: <u>70</u>_mm, L1: <u>10</u>_mm)</p>	by customer	1	COM
		2	COM
		3	+5VDC
		4	-Vout
		5	+Vout
		FG	FG

■ **Installation Manual**

Please refer to : <http://www.meanwell.com/manual.html>