



Features

- Universal AC input / Full range
- 2 pole AC inlet IEC320-C8, Class II 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)
- ± 16V /+48V also available for video system (optional, order NO. : GP25B58F-R1B)
- 3 years warranty

Applications

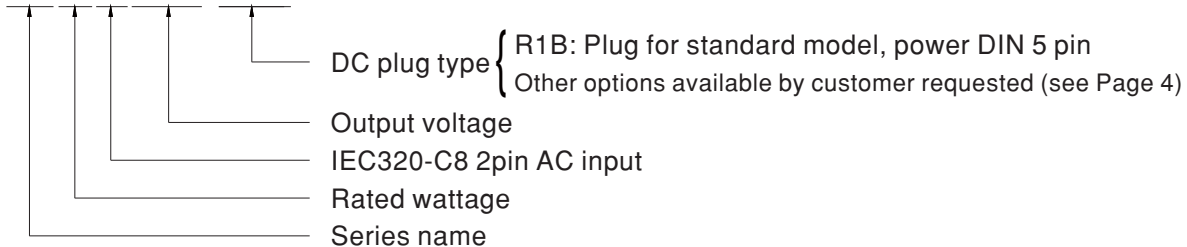
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

Description

GP25B 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 II design and utilizing the standard inlet IEC320-C8, it is designed without 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, +5V/+15V/-15V and can option +16V/+48V/-16V. 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. GP25B is a multiple-output green adaptor with high safety, high reliability and high quality.

Model Encoding

GP25 B 13A -R1B

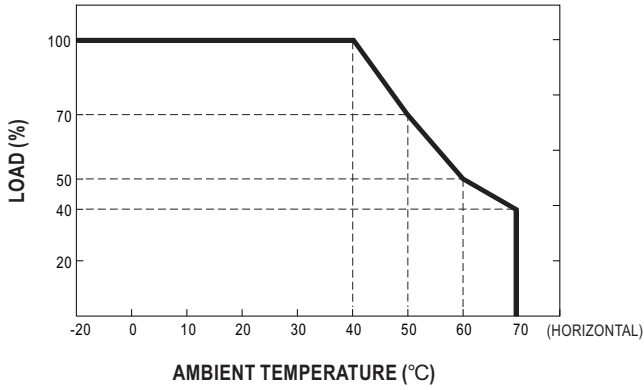




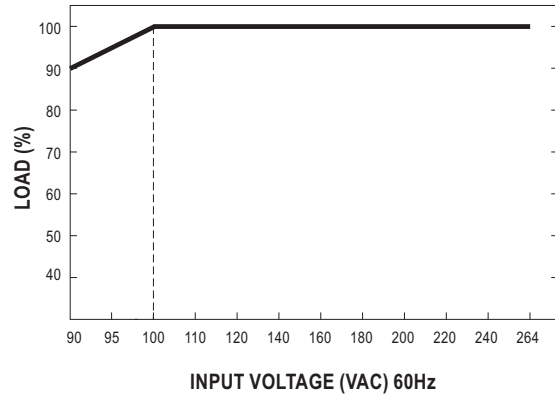
SPECIFICATION

ORDER NO.	GP25B13A-R1B	GP25B13D-R1B	GP25B14E-R1B	GP25B58F-R1B (option)																																																		
OUTPUT	<table border="1"> <thead> <tr> <th>SAFETY MODEL NO.</th> <th>GP25B13A</th> <th>GP25B13D</th> <th>GP25B14E</th> <th>GP25B58F</th> </tr> </thead> <tbody> <tr> <td>DC VOLTAGE <small>Note.2</small></td> <td>5V 12V -5V</td> <td>5V 12V -12V</td> <td>5V 15V -15V</td> <td>16V 48V -16V</td> </tr> <tr> <td>RATED SET CURRENT</td> <td>2.5A 1.2A 0.3A</td> <td>2.5A 1A 0.3A</td> <td>2.5A 0.8A 0.3A</td> <td>1.05A 0.087A 1.05A</td> </tr> <tr> <td>CURRENT RANGE</td> <td>0.5 ~ 2.5A 0.2 ~ 1.2A 0.1 ~ 0.3A</td> <td>0.5 ~ 2.5A 0.2 ~ 1A 0.1 ~ 0.3A</td> <td>0.5 ~ 2.5A 0.1 ~ 0.8A 0.1 ~ 0.3A</td> <td>0.2 ~ 1.05A 17mA ~ 87mA 0.2 ~ 1.05A</td> </tr> <tr> <td>RATED POWER</td> <td>28.5W</td> <td>28W</td> <td>29W</td> <td>37.77W</td> </tr> <tr> <td>RIPPLE & NOISE (max.) <small>Note.3</small></td> <td>50mVp-p 100mVp-p 50mVp-p</td> <td>60mVp-p 120mVp-p 50mVp-p</td> <td>100mVp-p 150mVp-p 50mVp-p</td> <td>200mVp-p 200mVp-p 200mVp-p</td> </tr> <tr> <td>VOLTAGE TOLERANCE <small>Note.4</small></td> <td>±5.0% -5.0 ~ +10% ±3.0%</td> <td>±5.0% -5.0 ~ +5.0% ±3.0%</td> <td>±5.0% -5.0 ~ +15% ±3.0%</td> <td>±5.0% ±5.0% -5.0 ~ +10%</td> </tr> <tr> <td>LINE REGULATION <small>Note.5</small></td> <td>±1.0% ±1.0% ±1.0%</td> <td>±1.0% ±1.0% ±1.0%</td> <td>±1.0% ±1.0% ±1.0%</td> <td>±1.0% ±1.0% ±1.0%</td> </tr> <tr> <td>LOAD REGULATION <small>Note.6</small></td> <td>±5.0% ±5.0% ±3.0%</td> <td>±5.0% ±5.0% ±3.0%</td> <td>±5.0% ±5.0% ±3.0%</td> <td>±5.0% ±5.0% ±5.0%</td> </tr> <tr> <td>SETUP, RISE, HOLD UP TIME</td> <td colspan="4">800ms, 50ms, 20ms / 230VAC 1200ms, 50ms, 16ms / 115VAC at full load</td> </tr> </tbody> </table>				SAFETY MODEL NO.	GP25B13A	GP25B13D	GP25B14E	GP25B58F	DC VOLTAGE <small>Note.2</small>	5V 12V -5V	5V 12V -12V	5V 15V -15V	16V 48V -16V	RATED SET CURRENT	2.5A 1.2A 0.3A	2.5A 1A 0.3A	2.5A 0.8A 0.3A	1.05A 0.087A 1.05A	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	0.2 ~ 1.05A 17mA ~ 87mA 0.2 ~ 1.05A	RATED POWER	28.5W	28W	29W	37.77W	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p 100mVp-p 50mVp-p	60mVp-p 120mVp-p 50mVp-p	100mVp-p 150mVp-p 50mVp-p	200mVp-p 200mVp-p 200mVp-p	VOLTAGE TOLERANCE <small>Note.4</small>	±5.0% -5.0 ~ +10% ±3.0%	±5.0% -5.0 ~ +5.0% ±3.0%	±5.0% -5.0 ~ +15% ±3.0%	±5.0% ±5.0% -5.0 ~ +10%	LINE REGULATION <small>Note.5</small>	±1.0% ±1.0% ±1.0%	±1.0% ±1.0% ±1.0%	±1.0% ±1.0% ±1.0%	±1.0% ±1.0% ±1.0%	LOAD REGULATION <small>Note.6</small>	±5.0% ±5.0% ±3.0%	±5.0% ±5.0% ±3.0%	±5.0% ±5.0% ±3.0%	±5.0% ±5.0% ±5.0%	SETUP, RISE, HOLD UP TIME	800ms, 50ms, 20ms / 230VAC 1200ms, 50ms, 16ms / 115VAC at full load			
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NOTE	<ol style="list-style-type: none"> All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient. DC voltage: The output voltage set at point measure by plug terminal & 50% load. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1µf & 47µf capacitor. Tolerance: includes set up tolerance, line regulation, load regulation. Line regulation is measured from low line to high line at rated load. 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%. Derating may be needed under low input voltages. Please check the static characteristics for more details. 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) 																																																					

■ Derating Curve

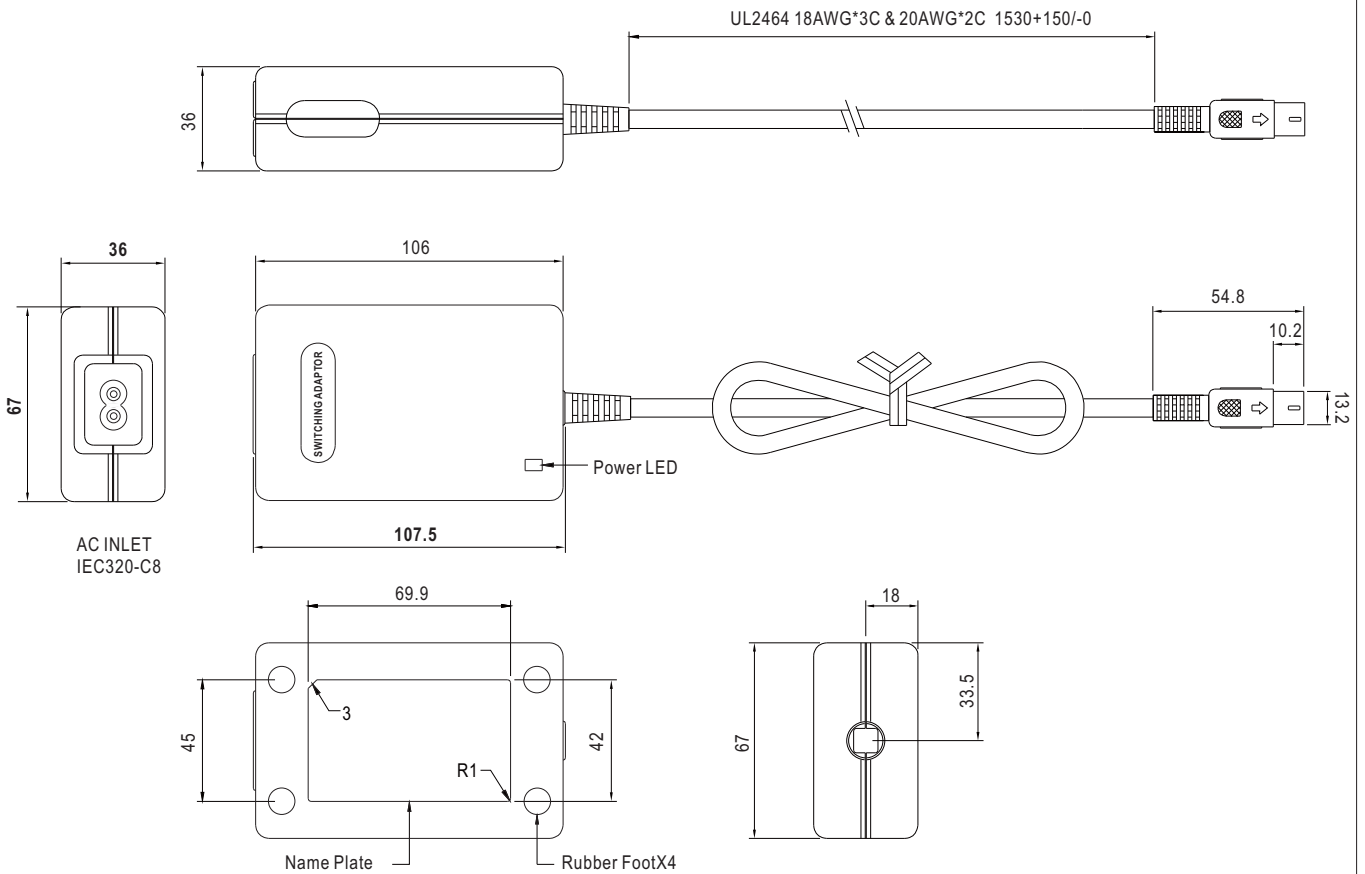


■ Static Characteristics



■ 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(Black)	COM
		2(Black)	COM
		3(Red)	+5VDC
		4(Blue)	-Vout
		5(Yellow)	+Vout

■ Installation Manual

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