



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)
- ± 16V /+48V also available for video system (optional, order NO. : GP25A58F-R1B)
- 3 years warranty

Applications

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

GTIN CODE

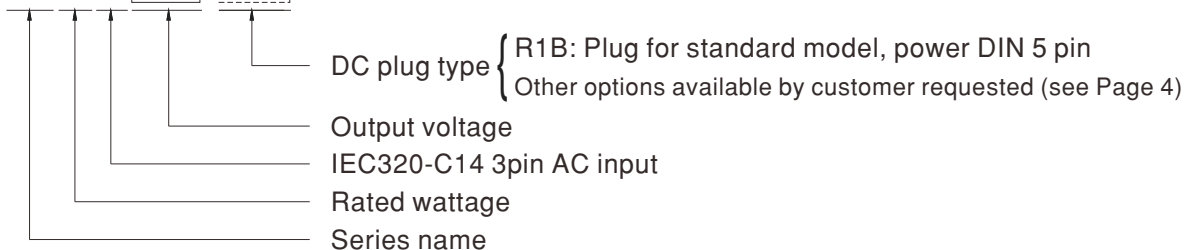
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

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, +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. GP25A is a multiple-output green adaptor with high safety, high reliability and high quality.

Model Encoding

GP25 A 13A -R1B

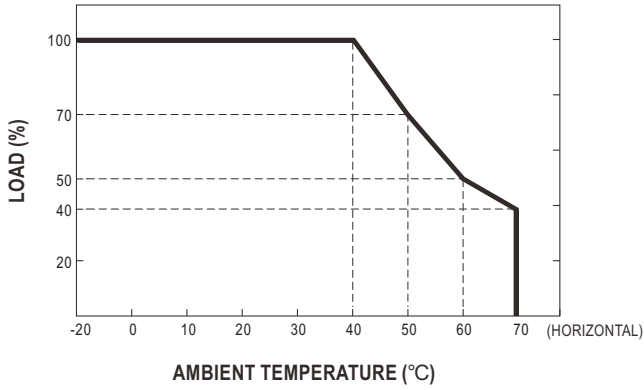




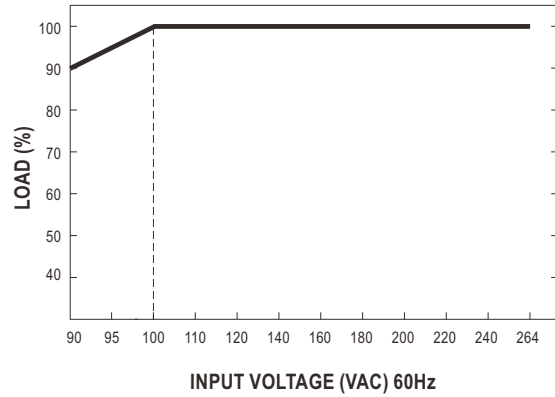
SPECIFICATION

ORDER NO.	GP25A13A-R1B	GP25A13D-R1B	GP25A14E-R1B	GP25A58F-R1B (option)		
OUTPUT	SAFETY MODEL NO.		GP25A13A	GP25A13D	GP25A14E	GP25A58F
	DC VOLTAGE	Note.2	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.)	Note.3	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	Note.4	±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	Note.5	±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	Note.6	±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		
INPUT	VOLTAGE RANGE	Note.7	90 ~ 264VAC 135 ~ 370VDC			
	FREQUENCY RANGE		47 ~ 63Hz			
	EFFICIENCY (Typ.)		80%	80%	80.5%	85%
	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		IEC62368-1, UL62368-1, CSA22.2, BS EN/EN62368-1(Except for GP25A58F-R1B), EAC TP TC 004 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		BS EN/EN65032(CISPR32),FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)	Class B	
		Radiated emission		BS EN/EN65032(CISPR32),FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)	Class B	
		Harmonic current		BS EN/EN61000-3-2	Class A	
	EMC IMMUNITY	Voltage flicker		BS EN/EN61000-3-3	-----	
		Parameter		Standard	Test Level /Note	
		ESD		BS EN/EN61000-4-2	Level 3, 8KV air; Level 2, 4KV contact	
RF field susceptibility			BS EN/EN61000-4-3	Level 2, 3V/m		
EFT bursts			BS EN/EN61000-4-4	Level 2, 1KV		
Surge susceptibility			BS EN/EN61000-4-5	Level 3, 1KV/L-N, 2KV/L,N-PE		
Conducted susceptibility			BS EN/EN61000-4-6	Level 2, 3V		
Voltage dips, interruption		BS EN/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> <p>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p>					

Derating Curve

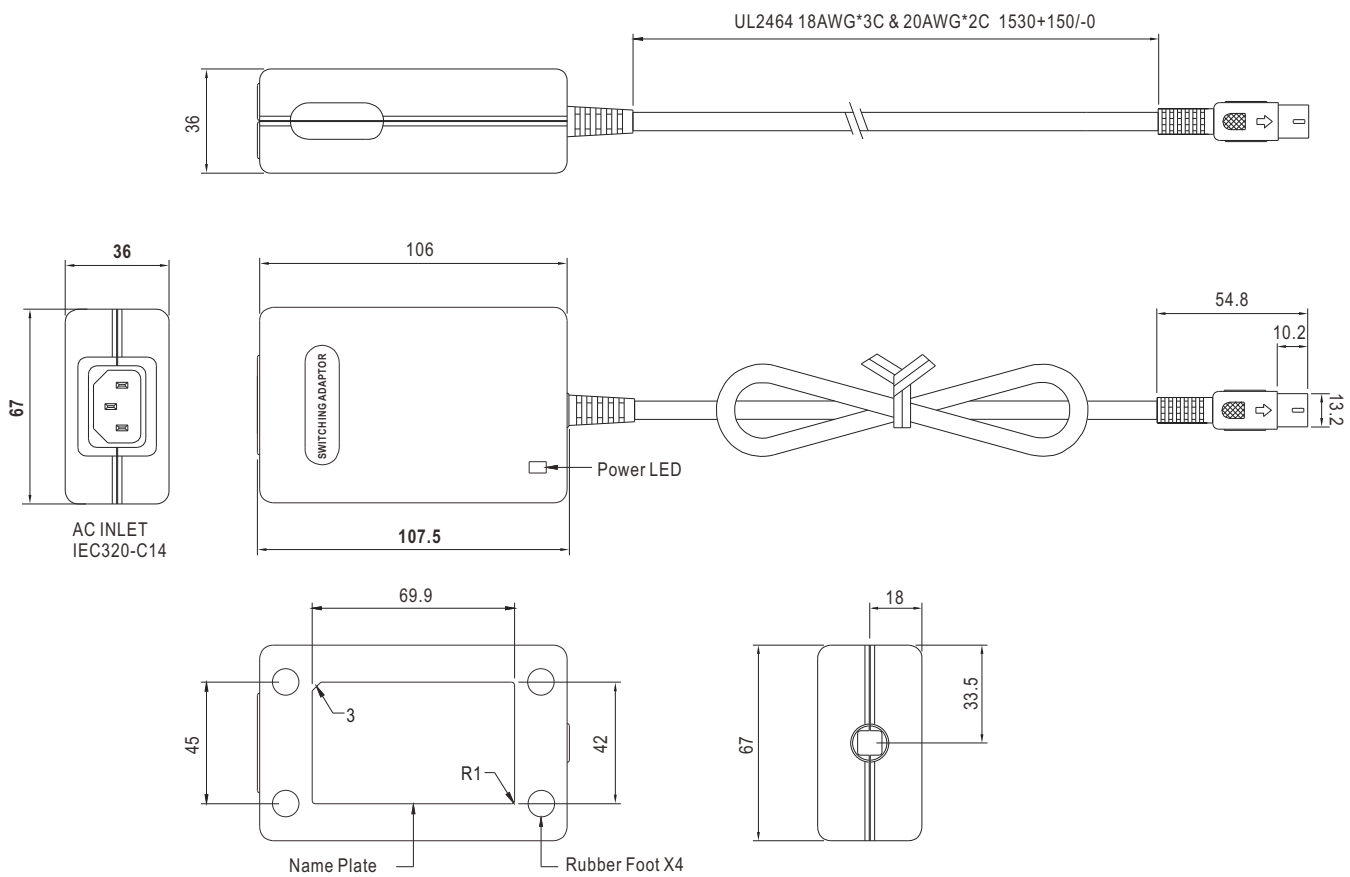


Static Characteristics



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(Blue)	COM
		3(Red)	+5VDC
		4(White)	-Vout
		5(Yellow)	+Vout
		FG(Drain Wire)	FG

■ Installation Manual

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