



6W AC-DC Reliable Industrial Adaptor

GS06U series



UL62368-1

TPTC004



■ Features

- Universal AC input / Full range
- 2 pole US plug, Class II power unit
- No load power consumption<0.1W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- **Various DC plug quick adapter accessory available**
(Plug kit sold separately, please refer to : https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 2 years warranty

■ Applications

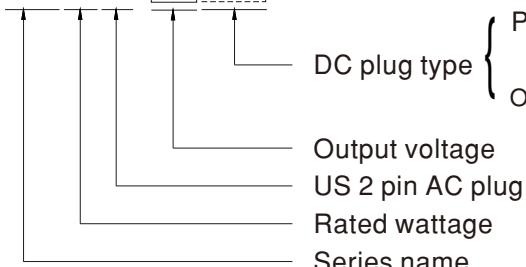
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

■ Description

GS06U is a highly reliable, 6W wall-mounted style single-output green adaptor series. This product is a class II power unit (no FG), equipped with a 2-Pin standard USA AC power plug, adopting the input range from 90VAC to 264VAC. The entire series supplies different models with output voltages ranging between 5VDC and 48VDC that can satisfy the demands for various types of consumer electronic devices. With the efficiency up to 83% and the extremely low no-load power consumption below 0.075W, GS06U is compliant with USA EISA 2007/DoE. The supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. The entire series utilizes the 94V-0 flame retardant plastic case, providing the double insulation that effectively prevents electrical shock.

■ Model Encoding

GS 06 U - 1 P1J



DC plug type { P1J: Plug for standard model, 2.1 ψ \times 5.5 ψ \times 11mm,
C+ tuning fork type
Other options available by customer requested (see Page 4~5)

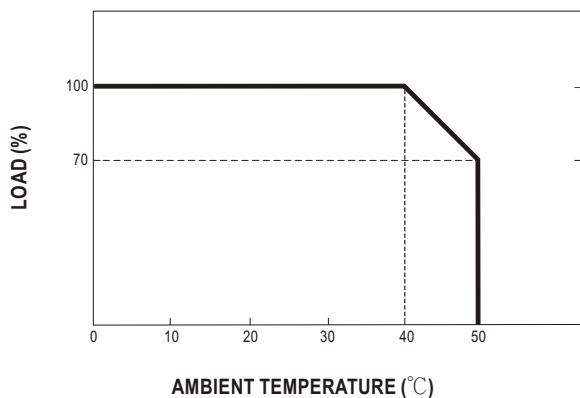
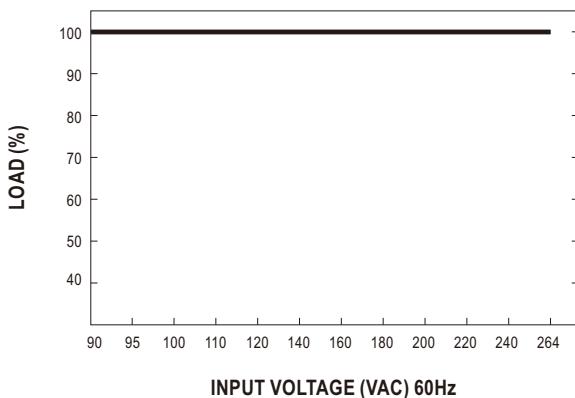
SPECIFICATION

ORDER NO.		GS06U-1P1J	GS06U-11P1J	GS06U-2P1J	GS06U-3P1J	GS06U-4P1J	GS06U-5P1J	GS06U-6P1J	GS06U-8P1J														
OUTPUT	SAFETY MODEL NO.	GS06U-1	GS06U-1-1	GS06U-2	GS06U-3	GS06U-4	GS06U-5	GS06U-6	GS06U-8														
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V														
	RATED CURRENT	1.00A	0.8A	0.66A	0.5A	0.4A	0.33A	0.25A	0.125A														
	CURRENT RANGE	0.01 ~ 1.00A	0.01 ~ 0.8A	0.01 ~ 0.66A	0.01 ~ 0.5A	0.01 ~ 0.4A	0.01 ~ 0.33A	0.01 ~ 0.25A	0.01 ~ 0.125A														
	RATED POWER	5W	6W	6W	6W	6W	6W	6W	6W														
	RIPLPE & NOISE (max.) Note.3	50mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	200mVp-p														
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%														
	LINE REGULATION Note.5	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%														
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%														
SETUP, RISE, HOLD UP TIME		1500ms, 50ms, 5ms at full load																					
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC																					
	FREQUENCY RANGE	47 ~ 63Hz																					
	EFFICIENCY (Typ.)	75%	80%	79.5%	79.5%	79.5%	81%	81%	83%														
	AC CURRENT	0.2A / 100VAC																					
	INRUSH CURRENT (max.)	Cold start 30A/ 115VAC 50A / 230VAC																					
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC																					
PROTECTION	OVERLOAD	>105% rated output power for 5V ; >110% rated output power for 7.5 ~ 48V Protection type : Hiccup mode, recovers automatically after fault condition is removed																					
	OVER VOLTAGE	>120% rated output voltage Protection type : Clamp by zener diode																					
ENVIRONMENT	WORKING TEMP.	0 ~ +50°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 (0 ~ 40°C)																					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes																					
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL62368-1, CSA C22.2 NO. 62368-1, EAC TP TC 004 approved																					
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC																					
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH																					
	EMC EMISSION	Parameter	Standard				Test Level / Note																
		Conducted emission	FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)				Class B																
		Radiated emission	FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)				Class B																
OTHERS	MTBF	500Khrs min. MIL-HDBK-217F(25°C)																					
	DIMENSION	32*66*42.5mm (L*W*H)																					
CONNECTOR	PACKING	100g ; 110pcs / 12Kg / CARTON																					
	PLUG	See page 4~5 ; Other type available by customer requested																					
NOTE	CABLE	See page 4~5 ; Other type available by customer requested																					
	1. All parameters are specified at 115VAC input, rated load, 25°C 70% RH ambient. 2. DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1µF & 47µF capacitor. 4. Tolerance: includes set up tolerance, line regulation, load regulation. 5. Line regulation is measured from low line to high line at rated load. 6. Load regulation is measured from 0% to 100% rated load. 7. 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)																						
※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx																							

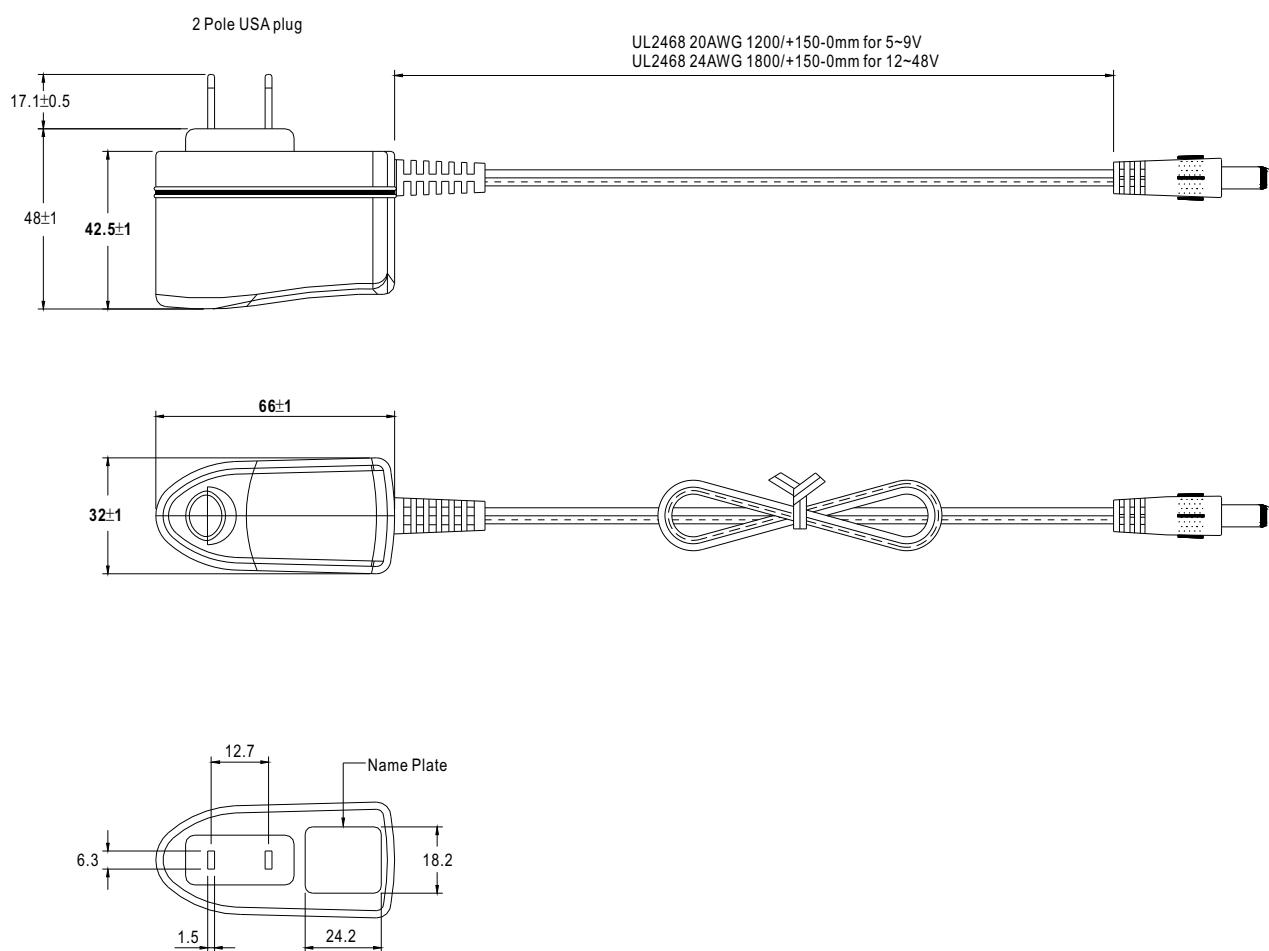


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■ Derating Curve**■ Static Characteristics****■ Mechanical Specification**

Unit:mm



■ DC output plug

- ◎ Standard plug: P1J

Unit:mm

P1J	Pin Assignment
	Outside - Inside

- ◎ DC plug changeable through:

- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

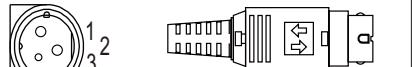
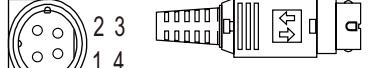
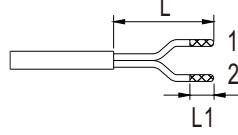
Please refer to below table and online selection guide : https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



- ◎ Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style	Type No.	A	B	C	Quick Adapter Accessory
		OD	ID	L	
 (Straight)	P1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)
	P1L	5.5	2.5	9.5	
	P1M	5.5	2.5	11.0	
	P1IR	5.5	2.1	9.5	
	P1JR	5.5	2.1	11.0	
	P1LR	5.5	2.5	9.5	
	P1MR	5.5	2.5	11.0	
Barrel Style		Type No.	A	C	None
 (Straight)	P2I	5.5	2.1	9.5	
	P2J	5.5	2.1	11.0	
	P2L	5.5	2.5	9.5	
	P2M	5.5	2.5	11.0	
	P2IR	5.5	2.1	9.5	
	P2JR	5.5	2.1	11.0	
	P2LR	5.5	2.5	9.5	
	P2MR	5.5	2.5	11.0	
Lock Style		Type No.	A	C	None
 Floating Locking	P2S(S761K)	5.53	2.03	12.06	
	P2K(761K)	5.53	2.54	12.06	
	P2C(S760K)	5.53	2.03	9.52	
	P2D(760K)	5.53	2.54	9.52	
Min. Pin Style		Type No.	A	C	Available (Current rating: 5A max.)
 EIAJ equivalent	P3A	2.35	0.7	11.0	
	P3B	4.0	1.7	11.0	
	P3C	4.75	1.7	11.0	

Center Pin Style	Type No.	A	B	C	D	Quick Adapter Accessory	
		OD	ID	L	Center Pin		
 	P4A	5.5	3.4	11.0	1.0	Available (Current rating: 7.5A max.)	
	P4B	6.5	4.4	11.0	1.4		
	P4C	7.4	5.1	11.0	0.6		
Min. DIN 3 Pin with Lock (male)	Type No.	Pin Assignment				Available (Current rating: 7.5A max.)	
 		PIN No.	Output				
		1	+Vo				
Min. DIN 4 Pin with Lock (male)	Type No.	Pin Assignment				Available (Current rating: 7.5A max.)	
 		PIN No.	Output				
		1	+Vo				
		2	-Vo				
		3	-Vo				
		4	+Vo				
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment				None	
 		PIN No.	Output				
		1	+Vo				
		2	-Vo				
		3	-Vo				
		4	+Vo				
Stripped and tinned leads	Type No.	Pin Assignment				None	
 		PIN No.	Output				
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		1 (Ribbed or White)	+Vo				
		2 (Letter or Black)	-Vo				

■ Installation Manual

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