



User's Manual



Video



■ 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

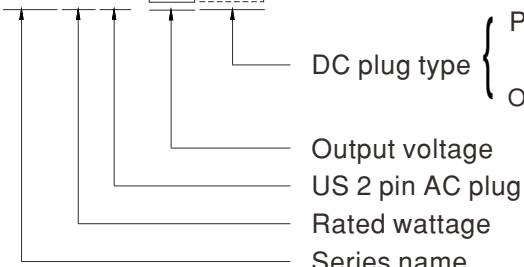
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

■ 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

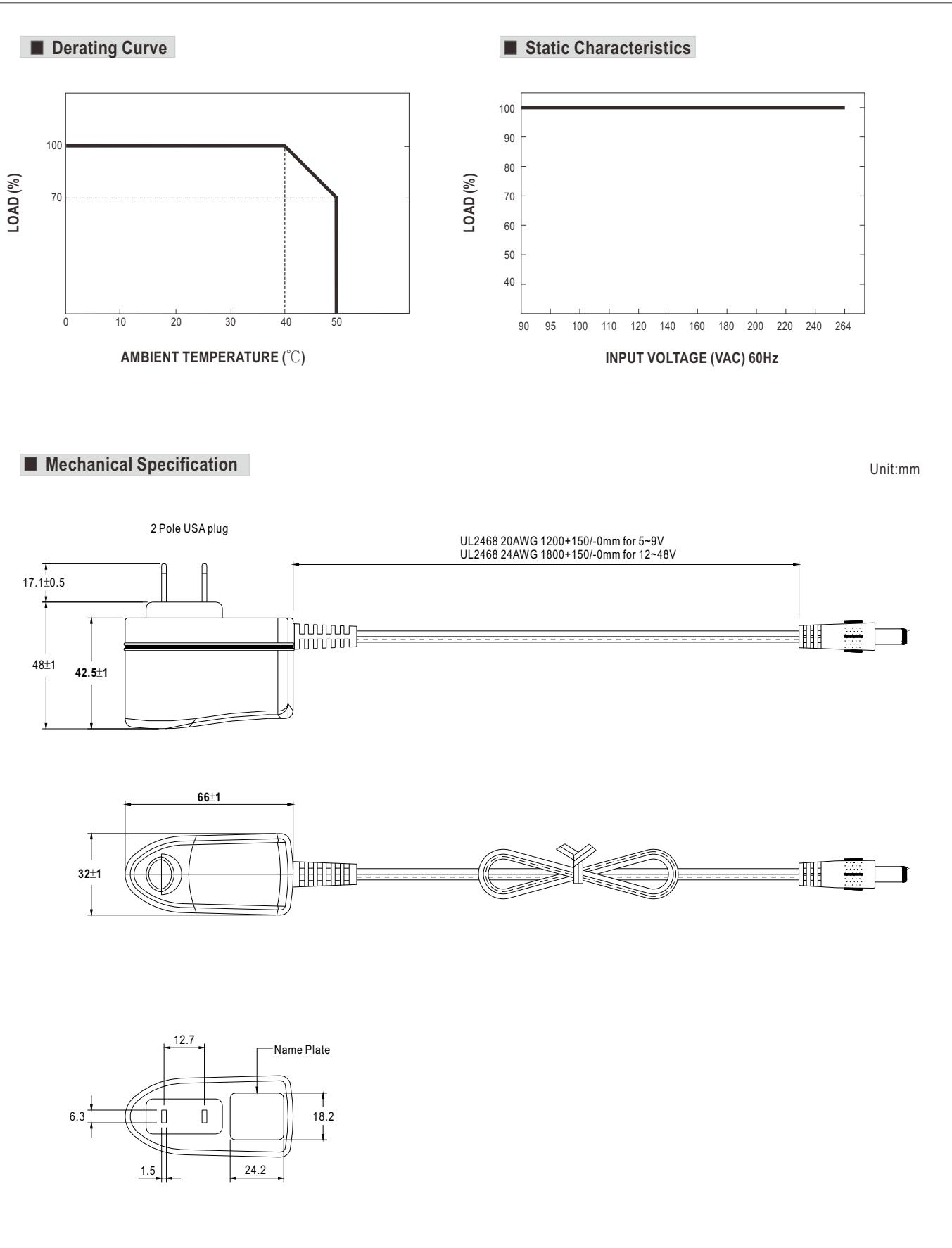


DC plug type { P1J: Plug for standard model, 2.1ψ × 5.5ψ × 11mm,
C+ tuning fork type
Other options available by customer requested (see Page 4~5)

Output voltage
US 2 pin AC plug
Rated wattage
Series name

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																						
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																						
	CABLE	See page 4~5 ; Other type available by customer requested																						
NOTE	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																							



■ DC output plug

- ◎ Standard plug: P1J

Unit:mm

P1J	Pin Assignment
	Outside \ominus \oplus 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)

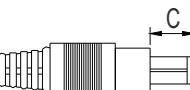
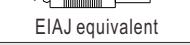
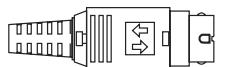
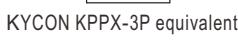
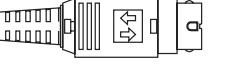
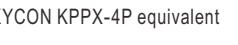
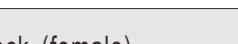
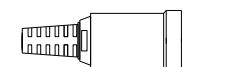
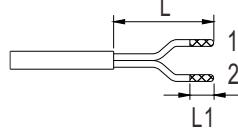
Please refer to below table and online selection guide : https://www.meanwell.com/upload/pdf/DC_plug.pdf

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 P4B P4C	A	B	C	D	Available (Current rating: 7.5A max.)	
		5.5	3.4	11.0	1.0		
		6.5	4.4	11.0	1.4		
		7.4	5.1	11.0	0.6		
Min. DIN 3 Pin with Lock (male)	R6B	Type No.	Pin Assignment				
			PIN No.	Output			
			1	+Vo			
			2	-Vo			
			3	+Vo			
Min. DIN 4 Pin with Lock (male)	R7B	Type No.	Pin Assignment				
			PIN No.	Output			
			1	+Vo			
			2	-Vo			
			3	-Vo			
			4	+Vo			
Min. DIN 4 Pin with Lock (female)	R7BF	Type No.	Pin Assignment				
			PIN No.	Output			
			1	+Vo			
			2	-Vo			
			3	-Vo			
			4	+Vo			
Stripped and tinned leads	by customer	Type No.	Pin Assignment				
			PIN No.	Output			
			1 (Ribbed or White)	+Vo			
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)			2 (Letter or Black)	-Vo			

■ Installation Manual

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