



■ Features

- 2 pole USA AC plug, Class II power unit
- Medical safety approved (2 x MOPP) according to ANSI/AAMI ES60601-1
- Extremely low leakage current
- No load power consumption < 0.3W
- **Energy efficiency Level V**
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- **Various DC plug quick adapter accessory available**
(Plug kit sold separately, please refer to :https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 3 years warranty

■ Applications

- Blood glucose meter
- Blood pressure meter
- Nebulizer
- Inhaler
- Portable medical device

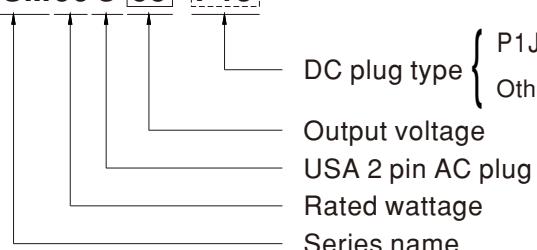
■ Description

GSM06U is a highly reliable, 6W wall-mounted style single-output green medical adaptor series. This product is equipped with a 2-pin (no FG) standard USA AC power plug, adopting the input range from 85VAC to 264VAC. The entire series supplies different output voltages between 5VDC and 24VDC that can satisfy the demands for various kinds of miniature medical devices. The circuitry design meets the international medical standards (2 x MOPP), having an ultra low leakage current (<50μA), fitting the medical devices in direct electrical contact with the patients.

With the efficiency up to 82% and the extreme low no-load power consumption below 0.3W. GSM06U is compliant with USA EISA 2007. 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. GSM06U is approved with the international medical safety certificates.

■ Model Encoding

GSM06U [05]-[P1J]



DC plug type {
 P1J : Plug for standard model, 2.1ψ x 5.5ψ x11mm, c+, tuning fork type
 Other options available by customer requested (see Page 4~5)

Output voltage
 USA 2 pin AC plug
 Rated wattage
 Series name

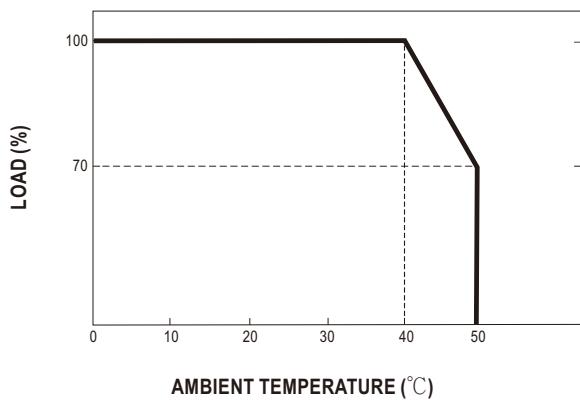
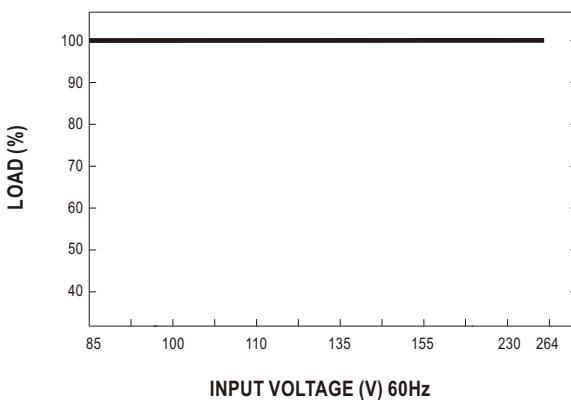
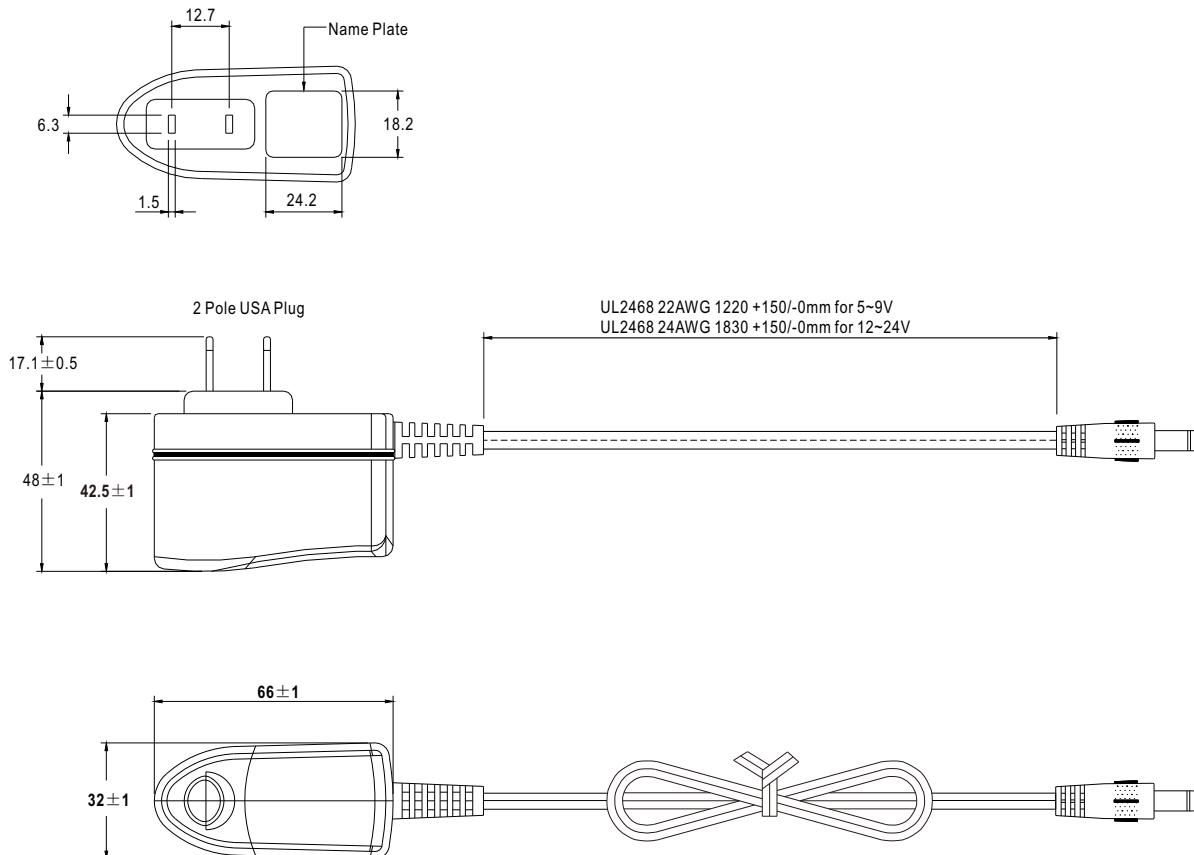
SPECIFICATION

ORDER NO.	GSM06U05-P1J	GSM06U06-P1J	GSM06U07-P1J	GSM06U09-P1J	GSM06U12-P1J	GSM06U15-P1J	GSM06U18-P1J	GSM06U24-P1J																
OUTPUT	SAFETY MODEL NO.	GSM06U05	GSM06U06	GSM06U07	GSM06U09	GSM06U12	GSM06U15	GSM06U18	GSM06U24															
	DC VOLTAGE Note.2	5V	6V	7.5V	9V	12V	15V	18V	24V															
	RATED CURRENT	1.2A	1.0A	0.8A	0.66A	0.5A	0.4A	0.33A	0.25A															
	CURRENT RANGE	0 ~ 1.2A	0 ~ 1.0A	0 ~ 0.8A	0 ~ 0.66A	0 ~ 0.5A	0 ~ 0.4A	0 ~ 0.33A	0 ~ 0.25A															
	RATED POWER	6W	6W	6W	6W	6W	6W	6W	6W															
	ripple & noise (max.) Note.3	50mVp-p	50mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p															
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±4.0%															
	LINE REGULATION Note.5	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%															
INPUT	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%															
	SETUP, RISE, HOLD UP TIME	1000ms, 50ms, 12ms at full load																						
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC																						
	FREQUENCY RANGE	47 ~ 63Hz																						
	EFFICIENCY (Typ.)	68%	74%	74%	76%	77%	79%	80%	82%															
	AC CURRENT	0.18A / 100VAC																						
	INRUSH CURRENT (max.)	Cold start 15A / 115VAC 30A / 230VAC																						
	LEAKAGE CURRENT(max.)	Touch current < 50µA/264VAC																						
PROTECTION	OVERLOAD	>105% rated output power 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	±0.04% / °C (0 ~ 40°C)																						
SAFETY & EMC (Note. 7)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes																						
	SAFETY STANDARDS	ANSI/AAMI ES60601-1(3.1 version), CAN/CSA-C22 NO. 60601-1 3rd edition, EAC TP TC 004 approved																						
	WITHSTAND VOLTAGE	I/P-O/P:5656VDC																						
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH																						
	EMC EMISSION	Parameter	Standard				Test Level / Note																	
OTHERS	Conducted emission	FCC PART 15 & 18 / CISPR22, CAN ICES-3(B)/NMB-3(B)				Class B																		
	Radiated emission	FCC PART 15 & 18 / CISPR22, CAN ICES-3(B)/NMB-3(B)				Class B																		
	MTBF	500Khrs min. MIL-HDBK-217F(25°C)																						
CONNECTOR	DIMENSION	32*66*42.5mm (L*W*H)																						
	PACKING	100g; 110pcs/12Kg/CARTON																						
NOTE	PLUG	See page 4~5 ; Other type available by customer requested																						
	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 10% 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																								



6W AC-DC Reliable Green Medical Adaptor

GSM06U series

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

■ DC output plug

- ◎ Standard plug: P1J

Unit:mm

P1J	Pin Assignment
	Outside

- ◎ 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:



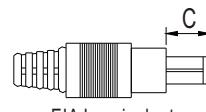
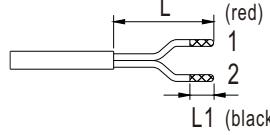
- ◎ Optional DC plug: (Available in customized cable or quick adapter)

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	



6W AC-DC Reliable Green Medical Adaptor

GSM06U series

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			
 KYCON KPPX-3P equivalent		1		+Vo			
	R6B	2		-Vo		Available (Current rating: 7.5A max.)	
		3		+Vo			
Min. DIN 4 Pin with Lock (male)		Pin Assignment					
	R7B	PIN No.		Output		Available (Current rating: 7.5A max.)	
 KYCON KPPX-4P equivalent		1		+Vo			
		2		-Vo			
		3		-Vo			
		4		+Vo			
Min. DIN 4 Pin with Lock (female)	R7BF	Pin Assignment				None	
		PIN No.		Output			
 KYCON KPJX-CM-4S equivalent		1		+Vo			
		2		-Vo			
		3		-Vo			
		4		+Vo			
Stripped and tinned leads	by customer	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		+Vo			
		2		-Vo			

■ Installation Manual

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