























Features

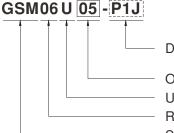
- · 2 pole USA AC plug, Class II power unit
- · Medical safety approved (2 x MOPP) accroding to ANSI/AAMI ES60601-1
- Extremely low leakage current
- No load power consumption < 0.3W
- Energy efficiency Level V
- · Protections: Short circuit / Overload / Over voltage
- · Fully enclosed plastic case
-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

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



P1J : Plug for standard model, 2.1 ψ x 5.5 ψ 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

Applications

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

GTIN CODE

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

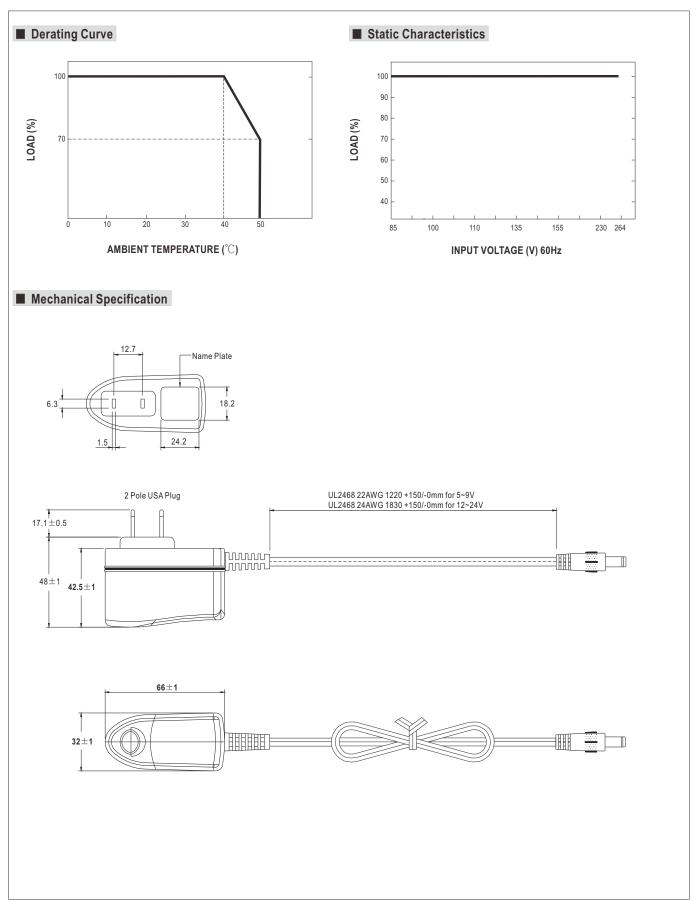




SPECIFICATION

ORDER NO.		GSM06U05-P1J	GSM06U06-P1J	GSM06U07-P1J	GSM06U09-P1J	GSM06U12-P1J	GSM06U15-P1J	GSM06U18-P1J	GSM06U24-P1J			
	SAFETY MODEL NO.	GSM06U05	GSM06U06	GSM06U07	GSM06U09	GSM06U12	GSM06U15	GSM06U18	GSM06U24			
	DC VOLTAGE Note.2		6V	7.5V	9V	12V	15V					
	RATED CURRENT	1.2A	1.0A	0.8A	0.66A	0.5A			0.25A			
	CURRENT RANGE		0 ~ 1.0A	0.0A 0 ~ 0.8A	0.00A 0 ~ 0.66A	0.5A 0 ~ 0.5A			0.25A 0 ~ 0.25A			
			6W	6W	6W	6W						
OUTPUT	RATED POWER							18V 0.33A A 0~0.33A 6W 150mVp-p 6 ±5.0% 6 ±0.5% 6 ±3.0%				
	RIPPLE & NOISE (max.) Note.3		50mVp-p	80mVp-p	80mVp-p	100mVp-p			180mVp-p			
	VOLTAGE TOLERANCE Note.4		±5.0%	±5.0%	±5.0%	±5.0%		18V 0.33A 0 ~ 0.33A 6W 0-p 150mVp-p ±5.0% ±0.5% ±3.0% 80% Test Level / Note Class B	±4.0%			
		±0.5%	±0.5% ±5.0%	±0.5%	±0.5%	±0.5%			±0.5%			
				±5.0%	±5.0%	±3.0%	±3.0%	0.33A 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.50 0 ~ 0.33A 0	±2.0%			
	SETUP, RISE, HOLD UP TIME			<u>u</u>								
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC										
	FREQUENCY RANGE	47 ~ 63Hz	740/	740/	700/	770/	700/	2201	000/			
INPUT	EFFICIENCY (Typ.)		74%	74%	76%	77%	79%	80%	82%			
	AC CURRENT	0.18A / 100VAC		201/2021/10								
	INRUSH CURRENT (max.)	Cold start 15A		30A / 230VAC								
	LEAKAGE CURRENT(max.)	Touch current <	<u> </u>									
	OVERLOAD	>105% rated ou										
PROTECTION		/1		recovers autom	atically after fau	It condition is re	moved					
	OVER VOLTAGE	>120% rated ou	·									
		Protection type										
	WORKING TEMP.	0 ~ +50°C (Refer to "Derating Curve")										
FAIVIDONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY	20% ~ 90% RH non-condensing -20 ~ +85°C, 10 ~ 95% RH non-condensing										
ENVIRONMENT	TEMP. COEFFICIENT	±0.04% /°C (0		condensing								
	VIBRATION				and dans V V	7						
		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
	SAFETY STANDARDS WITHSTAND VOLTAGE	ANSI/AAMI ES60601-1(3.1 version), CAN/CSA-C22 NO. 60601-1 3rd edition, EAC TP TC 004 approved										
	ISOLATION RESISTANCE	I/P-O/P:5656VDC I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH										
SAFETY &	ISOLATION RESISTANCE							Test Level / Note				
EMC		Parameter		Standard Test Level / Note								
		Conducted em	nission	FCC PART 15 & 18 / CISPR22, CAN ICES-3(B)/NMB-3(B)				Class B				
(Note. 7)		i Conauciea en			10 / 0101 1 (22, 0	ind o(b)	O1000 B					
(Note. 7)	EMC EMISSION	Conducted en	11001011									
(Note. 7)	EMC EMISSION				40 / 01000000	AN IOEO O/D\/NI	4D 0/D)	_				
(Note. 7)	EMC EMISSION	Radiated emis			18 / CISPR22, C	AN ICES-3(B)/NN	MB-3(B) Clas	ss B				
	EMC EMISSION	Radiated emis	ssion	FCC PART 15 &	18 / CISPR22, C	AN ICES-3(B)/NI	0.4A 0.33A 0~0.4A 0~0.33A 6W 6W 1-p 120mVp-p 150mVp-p ±5.0% ±5.0% ±0.5% ±0.5% ±3.0% ±3.0% 79% 80% Test Level / Note 3(B)/NMB-3(B) Class B					
	МТВБ	Radiated emis	esion IIL-HDBK-217F(FCC PART 15 &	18 / CISPR22, C	AN ICES-3(B)/NI	MB-3(B) Class	es B				
OTHERS	MTBF DIMENSION	Radiated emis 500Khrs min. M 32*66*42.5mm	ssion IIL-HDBK-217F((L*W*H)	FCC PART 15 &	18 / CISPR22, C	AN ICES-3(B)/NI	MB-3(B) Class	es B				
OTHERS	MTBF DIMENSION PACKING	Radiated emis 500Khrs min. N 32*66*42.5mm (100g; 110pcs/12	ssion IIL-HDBK-217F((L*W*H) 2Kg/CARTON	FCC PART 15 &		AN ICES-3(B)/NI	MB-3(B) Class	18V 24\				
OTHERS	MTBF DIMENSION PACKING PLUG	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5;	ssion IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type avail:	FCC PART 15 &	requested	AN ICES-3(B)/NI	MB-3(B) Clas					
OTHERS	MTBF DIMENSION PACKING PLUG CABLE	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5;	osion IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type avail: Other type avail:	FCC PART 15 & 25°C) able by customer able by customer	requested	AN ICES-3(B)/NI	MB-3(B) Clas	ss B				
OTHERS	MTBF DIMENSION PACKING PLUG	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5;	osion IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type avail: Other type avail:	FCC PART 15 & 25°C) able by customer able by customer	requested	AN ICES-3(B)/NI	MB-3(B) Class	ss B				
OTHERS	MTBF DIMENSION PACKING PLUG CABLE	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5; at 115VAC input	ssion IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type avail: Other type avail: ut, rated load, 2:	FCC PART 15 & 25°C) able by customer able by customer 5°C 70% RH arr	requested requested	AN ICES-3(B)/NI	MB-3(B) Class	ss B				
OTHERS	MTBF DIMENSION PACKING PLUG CABLE 1.All parameters are specified	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5; d at 115VAC inputage set at point	esion IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type avail: Other type avail: ut, rated load, 2: measure by plu	FCC PART 15 & 25°C) able by customer able by customer 5°C 70% RH am g terminal & 50°C	requested requested bibient. 6 load.			es B				
OTHERS	MTBF DIMENSION PACKING PLUG CABLE 1.All parameters are specified 2.DC voltage: The output volt	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5; d at 115VAC inputage set at point and at 20MHz by the	Sision IIIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type available Other type available at, rated load, 28 measure by plu using a 12" twisi	FCC PART 15 & 25°C) able by customer able by customer 5°C 70% RH am g terminal & 50°c ted pair terminar	requested requested bibient. 6 load.			ss B				
OTHERS	MTBF DIMENSION PACKING PLUG CABLE 1.All parameters are specified 2.DC voltage: The output volt 3.Ripple & noise are measure	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5; at 115VAC inputage set at point and at 20MHz by tolerance, line received.	IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type available. Other type available. It, rated load, 2st measure by plu using a 12" twist gulation, load response	able by customer able by customer 5°C 70% RH am g terminal & 50% atted pair terminal agulation.	requested requested bibient. 6 load.			ss B				
OTHERS CONNECTOR	MTBF DIMENSION PACKING PLUG CABLE 1.All parameters are specified 2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up 15.Line regulation is measured.	Radiated emis 500Khrs min. M 32*66*42.5mm i 100g; 110pcs/12 See page 4~5; See page 4~5; at 115VAC inputage set at point is ad at 20MHz by its tolerance, line registrom low line to	IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type available. Other type available. It, rated load, 2st measure by plusing a 12" twist gulation, load re- high line at rate	FCC PART 15 & 25°C) able by customer able by customer 5°C 70% RH am g terminal & 50° ated pair terminal egulation.	requested requested bibient. 6 load.			ss B				
OTHERS CONNECTOR	MTBF DIMENSION PACKING PLUG CABLE 1.All parameters are specified 2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up 5.Line regulation is measure 6.Load regulation is measure	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5; d at 115VAC inputage set at point and at 20MHz by tolerance, line result from low line to d from 10% to 10	SSION IIIHDBK-217F((L*W*H) 2Kg/CARTON Other type avail: Other type avail: ut, rated load, 2: measure by plu using a 12" twis gulation, load re high line at rate 200% rated load.	able by customer able by customer able by customer able by customer 5°C 70% RH arr g terminal & 50° ated pair terminal agulation.	requested requested bibient. 6 load. ted with a 0.1µf	& 47μf capacito	r.		the			
OTHERS CONNECTOR	MTBF DIMENSION PACKING PLUG CABLE 1.All parameters are specified 2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up 5.Line regulation is measure 6.Load regulation is measure 7.The power supply is consid	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5; dat 115VAC inputage set at point and at 20MHz by tolerance, line real from low line to different as an independent.	IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type availant, rated load, 2: measure by plu using a 12" twist gulation, load re- high line at rate 100% rated load.	FCC PART 15 & 25°C) able by customer able by customer 5°C 70% RH arm g terminal & 50° sted pair terminal egulation. ed load.	requested requested abient. % load. ted with a 0.1 µf	& 47μf capacito	r. the whole syste	m complies with	the			
OTHERS CONNECTOR	MTBF DIMENSION PACKING PLUG CABLE 1.All parameters are specified 2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up of 5.Line regulation is measure 6.Load regulation is measure 7.The power supply is consided EMC directives. For guidant	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5; at 115VAC inputage set at point and at 20MHz by tolerance, line real from low line to d from 10% to 11 ered as an indepose on how to per	IIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type availant, rated load, 2: measure by plu using a 12" twist gulation, load re- high line at rate 100% rated load.	FCC PART 15 & 25°C) able by customer able by customer 5°C 70% RH arm g terminal & 50° sted pair terminal egulation. ed load.	requested requested abient. % load. ted with a 0.1 µf	& 47μf capacito	r. the whole syste	m complies with	the			
OTHERS CONNECTOR	MTBF DIMENSION PACKING PLUG CABLE 1.All parameters are specified 2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up 5.Line regulation is measure 6.Load regulation is measure 7.The power supply is consid	Radiated emis 500Khrs min. M 32*66*42.5mm 100g; 110pcs/12 See page 4~5; See page 4~5; at 115VAC inputage set at point and at 20MHz by tolerance, line red from 10% to 10 ered as an indepte on how to permeanwell.com)	IIIL-HDBK-217F((L*W*H) 2Kg/CARTON Other type available. Other type available. It, rated load, 2st measure by plu using a 12" twist gulation, load re high line at rate 20% rated load. Deendent unit, bu	able by customer able by customer 5°C 70% RH am g terminal & 50% ated pair terminal equilation. and load.	requested requested bient. lood. ted with a 0.1µf	& 47μf capacito o re-confirm that ting of compone	r. the whole systent power supplie	m complies with	the			



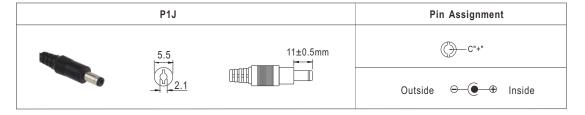




■ DC output plug

O Standard plug: P1J

Unit:mm



- O 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 F	Type No.	А	В	С	Quick Adapter	
running r	Type No.	OD	ID	L	Accessory	
	C	P1I	5.5	2.1	9.5	
		P1L	5.5	2.5	9.5	
I A	(Straight)	P1M	5.5	2.5	11.0	A!
A B	C	P1IR	5.5	2.1	9.5	Available
→ H-B		P1JR	5.5	2.1	11.0	(Current rating: 7.5A max.)
		P1LR	5.5	2.5	9.5	
	(Right-angled)	P1MR	5.5	2.5	11.0	
Barre	Type No.	Α	В	С		
Daire	Type No.	OD	ID	L		
	(Straight)	P2I	5.5	2.1	9.5	
		P2J	5.5	2.1	11.0	
Δ.		P2L	5.5	2.5	9.5	None
A B		P2M	5.5	2.5	11.0	110110
B B		P2IR	5.5	2.1	9.5	
		P2JR	5.5	2.1	11.0	
		P2LR	5.5	2.5	9.5	
	(Right-angled)	P2MR	5.5	2.5	11.0	
Lock	Type No.	Α	В	С		
LOCK		OD	ID	L		
. A .	Floating Locking C C SWITCHCRAFT original or equivalent	P2S(S761K)	5.53	2.03	12.06	None
A D B		P2K(761K)	5.53	2.54	12.06	None
B		P2C(S760K)	5.53	2.03	9.52	
		P2D(760K)	5.53	2.54	9.52	
Min. Pir	Type No.	А	В	С		
IVIIII. I II	1,00110.	OD	ID	L		
,A,		P3A	2.35	0.7	11.0	Available
A A		P3B	4.0	1.7	11.0	(Current rating: 5A max.)
	EIAJ equivalent	P3C	4.75	1.7	11.0	





Center Pin Style	Type No.	A OD	B ID	C L	D Center Pin	Quick Adapter Accessory	
, A,	P4A	5.5	3.4	11.0	1.0		
	P4B	6.5	4.4	11.0	1.4	Available (Current rating: 7.5A max.)	
EIAJ equivalent	P4C	7.4	5.1	11.0	0.6	(Current rating. 7.5A max.)	
·	Type No.	Pin Assignment					
Min. DIN 3 Pin with Lock (male)		PIN No).	Output		Available (Current rating: 7.5A max.)	
	R6B	1		+V ₀			
		2		-Vo			
KYCON KPPX-3P equivalent		3		+Vo			
	T N	Pin Assignment					
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No).	Output		Available (Current rating: 7.5A max.)	
	R7B	1		+V ₀			
2 3 TITTLE TO CA		2		-Vo			
KYCON KPPX-4P equivalent		3		-Vo			
1		4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	+Vo			
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment					
,	R7BF	PIN No).	Outpu +Vo			
		2		-Vo		None	
2 3 1 4 Innanni		3		-Vo			
KYCON KPJX-CM-4S equivalent		4		+Vo			
Otelograph and the end to a de-	Type No.	Pin Assignment					
Stripped and tinned leads		PIN No).	Outpu	ıt		
L (red)	by customer	1		+Vo		None	
L1 (black) Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2		-Vo			

■ Installation Manual

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