



■ Features

- Universal AC input / Full range
- 2 pole EURO plug, Class II power unit
- No load power consumption < 0.075W
- **Energy efficiency Level VI**
- Comply with EU ErP and meet CoC Version 5
- 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

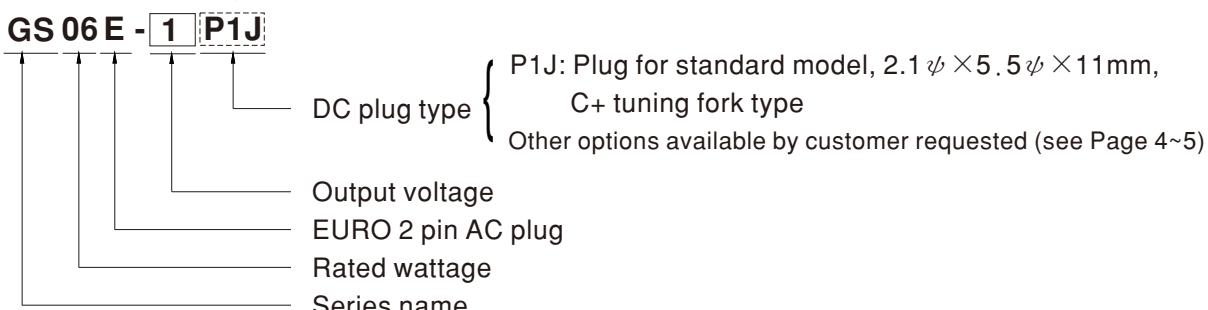
■ Applications

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

■ Description

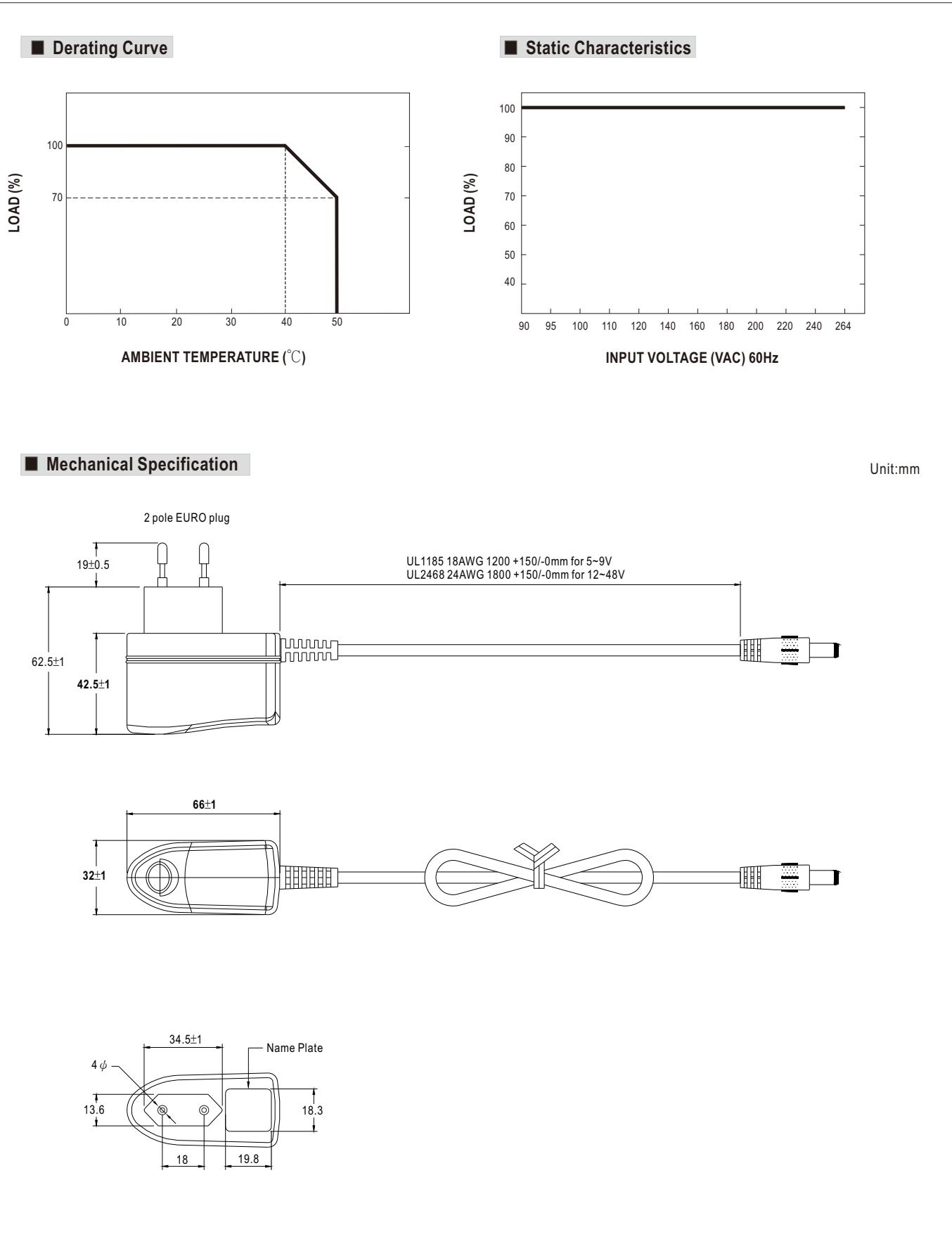
GS06E is a highly reliable, 6W wall-mounted style single-output green adaptor series. This product is a class II power unit (no FG), equipped with a 2-Pin standard European AC power plug, adopting the input range from 90VAC to 264VAC. The entire series supplies different models with output voltages ranging between 5VDC and 48VDC that can satisfy the demands for various types of consumer electronic devices. With the efficiency up to 84% and the extremely low no-load power consumption below 0.075W, GS06E is compliant with EU ErP, and meet Code of Conduct(CoC) Version 5 . 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. GS06E is certified for the international safety regulations.

■ Model Encoding



SPECIFICATION

ORDER NO.	GS06E-1P1J	GS06E-11P1J	GS06E-2P1J	GS06E-3P1J	GS06E-4P1J	GS06E-5P1J	GS06E-6P1J	GS06E-8P1J															
OUTPUT	SAFETY MODEL NO.	GS06E-1	GS06E-1-1	GS06E-2	GS06E-3	GS06E-4	GS06E-5	GS06E-6	GS06E-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 ~ 1.00A	0 ~ 0.8A	0 ~ 0.66A	0 ~ 0.5A	0 ~ 0.4A	0 ~ 0.33A	0 ~ 0.25A	0 ~ 0.125A														
	RATED POWER	5W	6W	6W	6W	6W	6W	6W	6W														
	RIPPLE & 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%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%														
	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%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%														
	SETUP, RISE, HOLD UP TIME	1000ms, 50ms, 12ms at full load																					
PROTECTION	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC																					
	FREQUENCY RANGE	47 ~ 63Hz																					
	EFFICIENCY (Typ.)	68%	74%	75%	77%	78%	78%	82%	84%														
	AC CURRENT	0.2A / 100VAC																					
	INRUSH CURRENT (max.)	Cold start 30A/ 115VAC 50A/ 230VAC																					
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC																					
ENVIRONMENT	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																					
	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																					
SAFETY & EMC (Note. 7)	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 40°C)																					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes																					
	SAFETY STANDARDS	TUV EN62368-1, 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																					
OTHERS	EMC EMISSION	Parameter	Standard	Test Level / Note																			
		Conducted emission	EN55032(CISPR32)	Class B																			
		Radiated emission	EN55032(CISPR32)	Class B																			
		Harmonic current	EN61000-3-2	Class A																			
	EMC IMMUNITY	Voltage flicker	EN61000-3-3	-----																			
		Parameter	Standard	Test Level / Note																			
		ESD	EN61000-4-2	Level 3, 8KV air; Level 2, 4KV contact																			
		RF field susceptibility	EN61000-4-3	Level 2, 3V/m																			
		EFT bursts	EN61000-4-4	Level 2, 1KV																			
		Surge susceptibility	EN61000-4-5	Level 3, 1KV/L-N																			
		Conducted susceptibility	EN61000-4-6	Level 2, 3V																			
		Magnetic field immunity	EN61000-4-8	Level 1, 1A/m																			
		Voltage dips , interruption	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods																			
CONNECTOR	MTBF	500Khrs min. MIL-HDBK-217F(25°C)																					
	DIMENSION	32*66*42.5mm (L*W*H)																					
NOTE	PACKING	100g ; 90pcs / 10Kg / 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 230VAC 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)																							



■ 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)

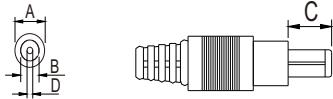
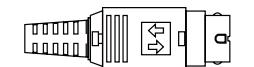
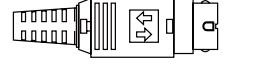
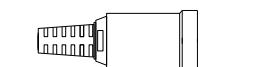
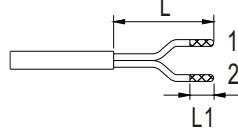
Please refer to below table and online selection guide : https://www.meanwell.com/upload/pdf/DC_plug.pdf

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	OD	ID	L		
	P2S(S761K)	5.53	2.03	12.06	
	P2K(761K)	5.53	2.54	12.06	
	P2C(S760K)	5.53	2.03	9.52	
 EIAJ equivalent	P2D(760K)	5.53	2.54	9.52	Available (Current rating: 5A max.)
	Type No.	A	B	C	
	OD	ID	L		
	P3A	2.35	0.7	11.0	
 EIAJ equivalent	P3B	4.0	1.7	11.0	Available (Current rating: 5A max.)
	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				
  		R6B	1	+Vo			
			2	-Vo			
			3	+Vo			
Min. DIN 4 Pin with Lock (male)	Type No.	Pin Assignment				Available (Current rating: 7.5A max.)	
		PIN No.	Output				
  		R7B	1	+Vo			
			2	-Vo			
			3	-Vo			
			4	+Vo			
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment				None	
		PIN No.	Output				
  		R7BF	1	+Vo			
			2	-Vo			
			3	-Vo			
			4	+Vo			
Stripped and tinned leads	Type No.	Pin Assignment				None	
		PIN No.	Output				
 		by customer	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>

Mouser Electronics

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