



BS EN/EN62368-1 TPTC004



## ■ Features

- Universal AC input / Full range
- 2 pole EURO plug, Class II power unit
- No load power consumption<0.1W
- **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 sperately, please refer to : [https://www.meanwell.com/upload/pdf/DC\\_plug.pdf](https://www.meanwell.com/upload/pdf/DC_plug.pdf))
- 2 years warranty

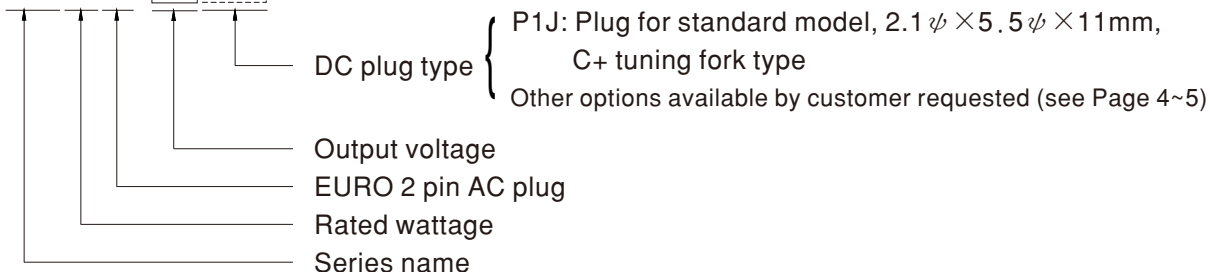
## ■ Applications

- 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 83% 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

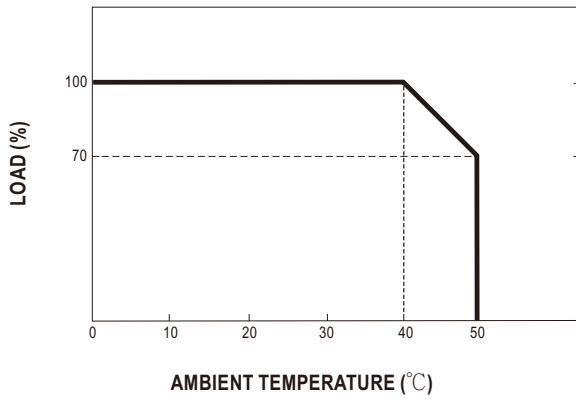
**GS 06 E - 1 P1J**




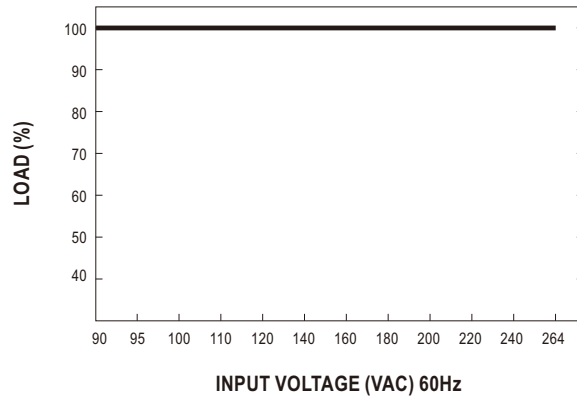
## SPECIFICATION

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 <span>Note.2</span>	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
	RIPPLE & NOISE (max.) <span>Note.3</span>	50mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	200mVp-p
	VOLTAGE TOLERANCE <span>Note.4</span>	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	LINE REGULATION <span>Note.5</span>	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION <span>Note.6</span>	±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.)	68%	80%	75%	77%	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							
	WORKING TEMP.	0 ~ +50℃ (Refer to "Derating Curve")							
ENVIRONMENT	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH non-condensing							
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 40℃)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	TUV BS EN/EN62368-1, EAC TP TC 004 approved							
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH							
	EMC EMISSION	Parameter	Standard				Test Level / Note		
		Conducted emission	BS EN/EN55032(CISPR32)				Class B		
		Radiated emission	BS EN/EN55032(CISPR32)				Class B		
		Harmonic current	BS EN/EN61000-3-2				Class A		
		Voltage flicker	BS EN/EN61000-3-3				-----		
	EMC IMMUNITY	Parameter	Standard				Test Level /Note		
		ESD	BS EN/EN61000-4-2				Level 3, 8KV air; Level 2, 4KV contact		
		RF field susceptibility	BS EN/EN61000-4-3				Level 2, 3V/m		
		EFT bursts	BS EN/EN61000-4-4				Level 2, 1KV		
		Surge susceptibility	BS EN/EN61000-4-5				Level 3, 1KV/L-N		
Conducted susceptibility		BS EN/EN61000-4-6				Level 2, 3V			
Magnetic field immunity		BS EN/EN61000-4-8				Level 1, 1A/m			
Voltage dips , interruption		BS EN/EN61000-4-11				>95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
OTHERS	MTBF	500Khrs min. MIL-HDBK-217F(25℃)							
	DIMENSION	32*66*42.5mm (L*W*H)							
	PACKING	100g ; 90pcs / 10Kg / CARTON							
CONNECTOR	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 230VAC input, rated load, 25℃ 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 <a href="http://www.meanwell.com">http://www.meanwell.com</a> ) ※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a>								

### Derating Curve

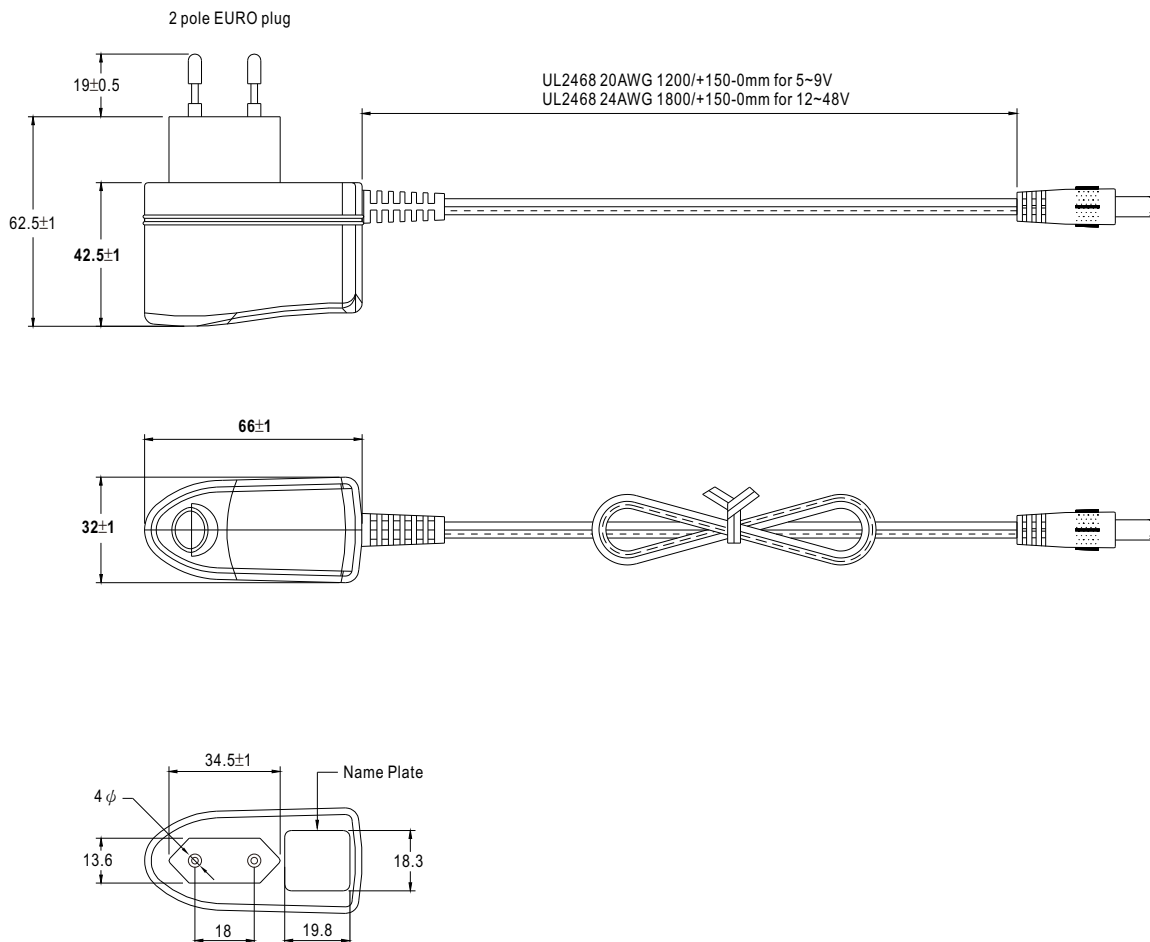


### Static Characteristics



### Mechanical Specification

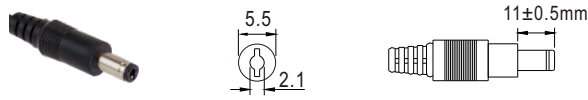


Unit:mm



### DC output plug

Standard plug: P1J

Unit:mm

P1J	Pin Assignment
	
	Outside  Inside

DC plug changeable through:



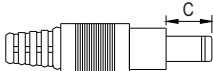
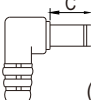



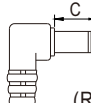


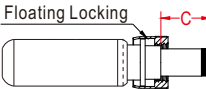



- Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- Quick adapter accessory (sold separately without MOQ)



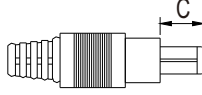

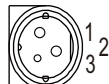
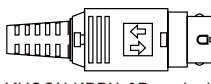


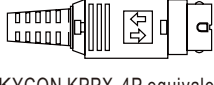


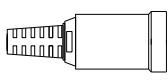
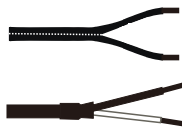
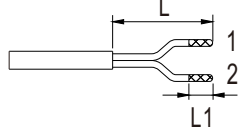
Please refer to below table and online selection guide : [https://www.meanwell.com/upload/pdf/DC\\_plug.pdf](https://www.meanwell.com/upload/pdf/DC_plug.pdf)

Example quick adapter accessory:



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

Tuning Fork Style		Type No.	A OD	B ID	C L	Quick Adapter Accessory
 	 (Straight)	P1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)
		P1L	5.5	2.5	9.5	
	 (Right-angled)	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 OD	B ID	C L	None
 	 (Straight)	P2I	5.5	2.1	9.5	
		P2J	5.5	2.1	11.0	
	 (Right-angled)	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 OD	
 	 Floating Locking SWITCHCRAFT original or equivalent	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 OD	B ID	C L	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	
   EIAJ equivalent	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	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			
   KYCON KPPX-4P equivalent	R7B	1	+Vo			
		2	-Vo			
		3	-Vo			
		4	+Vo			
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment				None
		PIN No.	Output			
   KYCON KPJX-CM-4S equivalent	R7BF	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: 25 mm, L1: 10 mm)	by customer	1 (Ribbed or White)	+Vo			
		2 (Letter or Black)	-Vo			

## Installation Manual

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## MEAN WELL:

[GS06E-3P1J](#) [GS06E-6P1J](#) [GS06E-11P1J](#) [GS06E-2P1J](#) [GS06E-5P1J](#) [GS06E-8P1J](#) [GS06E-1P1J](#) [GS06E-4P1J](#)