



BS EN/EN62368-1 MS IEC60950-1 (optional)


**CB**
**EAC**
**CE**
**UK**
**CA**
**VI**

 Energy Verified  
Rendement  
Énergétique Vérifié


## ■ Features

- **Global certificates**

- Universal AC input / Full range
- 2 pole EURO plug, Class II power unit
- No load power consumption < 0.075W

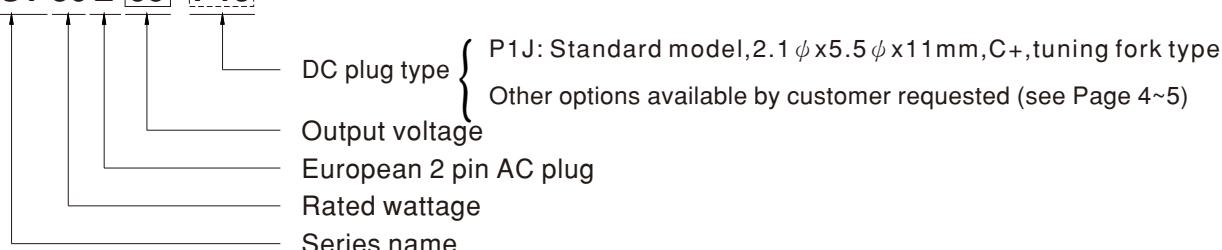
- **Energy efficiency Level VI**

- Comply with EU ErP and CoC Version 5
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- -30~+70°C wide range working temperature
- LED indicator for power on
- **Various DC plug quick adapter accessory available**  
(Plug kit sold separately, please refer to : [https://www.meanwell.com/upload/pdf/DC\\_plug.pdf](https://www.meanwell.com/upload/pdf/DC_plug.pdf) )
- 3 years warranty

## ■ Description

GST36E is a highly reliable, 36W 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 85VAC 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 90% and the extremely low no-load power consumption below 0.075W, GST36E is compliant with EU ErP and 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. GST36E is certified for the international safety regulations.

## ■ Model Encoding

**GST 36 E 05 -P1J**




36W AC-DC Reliable Green Industrial Adaptor

GST36E series

## SPECIFICATION

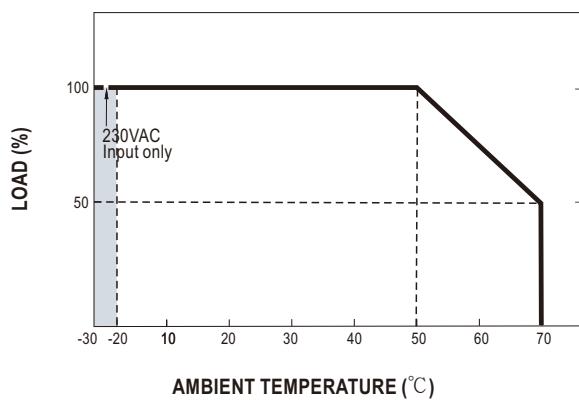
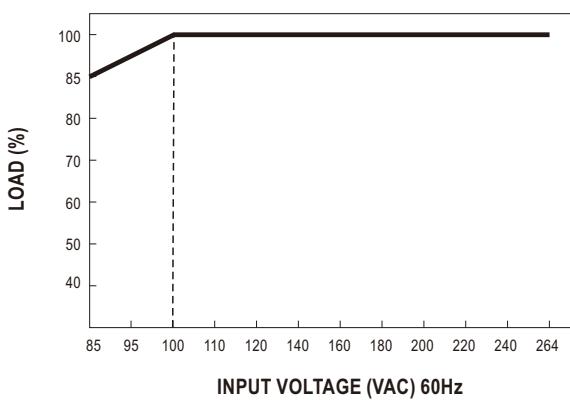
ORDER NO.	GST36E05-P1J	GST36E09-P1J	GST36E12-P1J	GST36E24-P1J	GST36E48-P1J									
OUTPUT	SAFETY MODEL NO.	GST36E05	GST36E09	GST36E12	GST36E24									
	DC VOLTAGE Note.2	5V	9V	12V	24V									
	RATED CURRENT	4.3A	3.11A	3A	1.5A									
	CURRENT RANGE	0 ~ 4.3A	0 ~ 3.11A	0 ~ 3A	0 ~ 1.5A									
	RATED POWER (max.)	21.5W	28W	36W	36W									
	ripple & noise (max.) Note.3	90mVp-p	90mVp-p	100mVp-p	150mVp-p									
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±3.0%	±2.0%									
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%									
	LOAD REGULATION Note.6	±5.0%	±5.0%	±3.0%	±2.0%									
SETUP, RISE, HOLD UP TIME		1000ms, 30ms, 50ms/230VAC	1500ms, 30ms, 13ms/115VAC	at full load										
INPUT	VOLTAGE RANGE Note.7	85 ~ 264VAC												
	FREQUENCY RANGE	47 ~ 63Hz												
	EFFICIENCY (Typ.)	82%	86%	87.5%	88.5%									
	AC CURRENT	0.8A / 115VAC	0.45A / 230VAC											
	INRUSH CURRENT (max.)	Cold start 35A / 115VAC	70A / 230VAC											
PROTECTION	LEAKAGE CURRENT(max.)	0.25mA / 240VAC												
	OVERLOAD	110 ~ 150% rated output power												
		Protection type : Hiccup mode, recovers automatically after fault condition is removed												
	OVER VOLTAGE	110 ~ 140% rated output voltage												
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")												
	WORKING HUMIDITY	20% ~ 90% RH non-condensing												
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing												
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)												
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes												
SAFETY & EMC (Note. 9)	SAFETY STANDARDS Note. 8	TUV BS EN/EN62368-1, EAC TP TC 004 approved; SIRIM MS IEC60950-1 (optional) 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	BS EN/EN55032(CISPR32), EAC TP TC 020	Class B										
		Radiated emission	BS EN/EN55032(CISPR32), EAC TP TC 020	Class B										
		Harmonic current	BS EN/EN61000-3-2	Class A										
	EMC IMMUNITY	Voltage flicker	BS EN/EN61000-3-3	-----										
		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/Line-Line										
		Conducted susceptibility	BS EN/EN61000-4-6	Level 2, 3V										
		Magnetic field immunity	BS EN/EN61000-4-8	Level 2, 3A/m										
OTHERS	Voltage dips , interruption	BS EN/EN61000-4-11	>95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods											
	MTBF	692.3Khrs min. MIL-HDBK-217F(25°C)												
	DIMENSION	79*54*33mm (L*W*H)												
CONNECTOR	PACKING	209g; 60pcs/13.5Kg/1.15CUFT												
	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 10% to 100% rated load.													
	7.Derating may be needed under low input voltage. Please check the derating curve for more details.													
	8.The demand for Malaysia safety is processed with the order no. GST36E -SIRIM by request. Please contact MEAN WELL for details.													
	9.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 <https://www.meanwell.com/serviceDisclaimer.aspx>

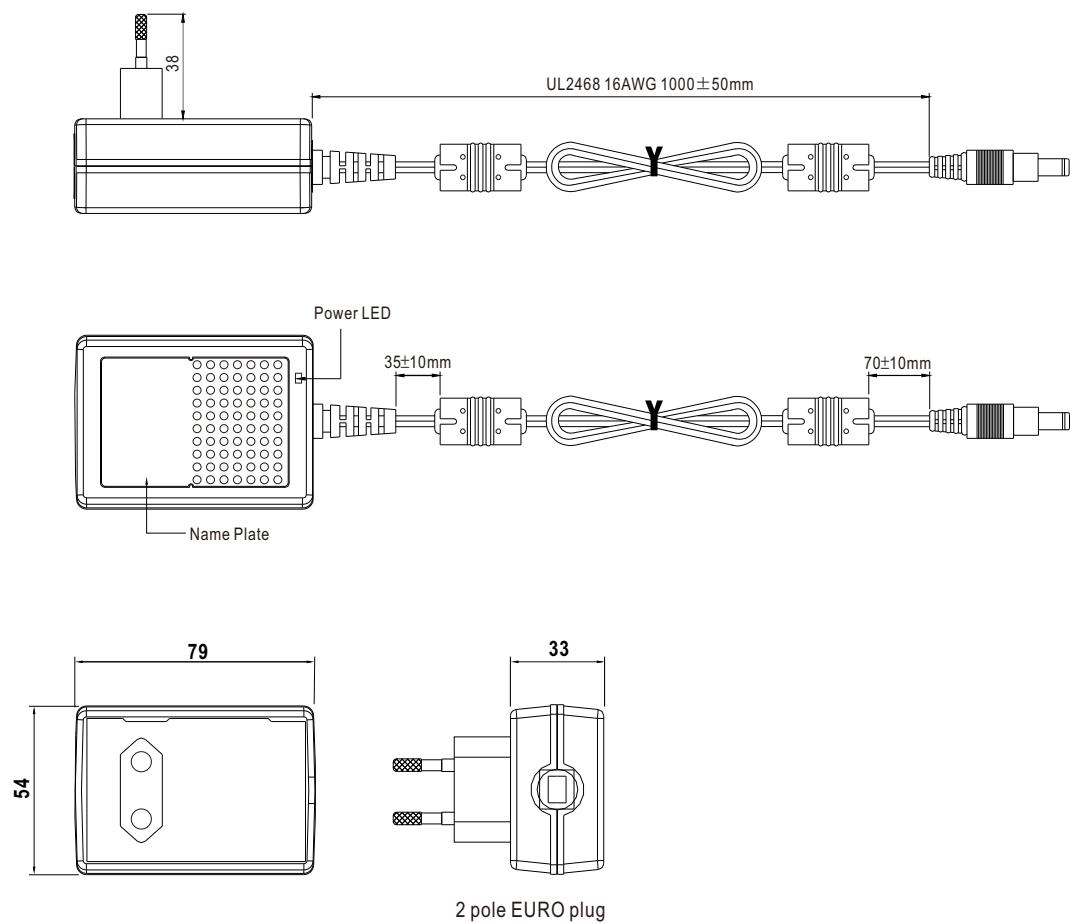


36W AC-DC Reliable Green Industrial Adaptor

GST36E series

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

Unit:mm



## ■ DC output plug

- ◎ Standard plug: P1J

P1J	Pin Assignment
5.5 2.1	11±0.5mm

- ◎ 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](https://www.meanwell.com/upload/pdf/DC_plug.pdf)

Example quick adapter accessory:



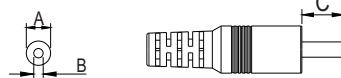
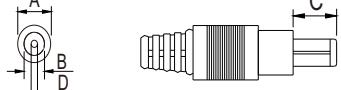
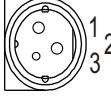
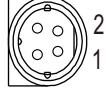
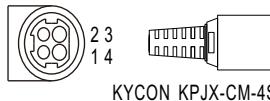
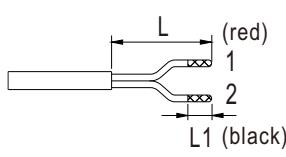
- ◎ Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style	Type No.	A	B	C	Quick Adapter Accessory
		OD	ID	L	
   	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	B	C	None
		OD	ID	L	
   	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	
Lock Style	Type No.	A	B	C	None
		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	
	P2D(760K)	5.53	2.54	9.52	



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Min. Pin Style	Type No.	A	B	C	Quick Adapter Accessory	
		OD	ID	L		
  EIAJ equivalent	P3A	2.35	0.7	11.0	Available (Current rating: 5A max.)	
	P3B	4.0	1.7	11.0		
	P3C	4.75	1.7	11.0		
  EIAJ equivalent	Type No.	A	B	C	Available (Current rating: 7.5A max.)	
	P4A	OD	ID	L		
		5.5	3.4	11.0		
  KYCON KPPX-3P equivalent	Type No.	Pin Assignment			Available (Current rating: 7.5A max.)	
	R6B	PIN No.	Output			
		1	+Vo			
  KYCON KPPX-4P equivalent	Type No.	Pin Assignment			Available (Current rating: 7.5A max.)	
	R7B	PIN No.	Output			
		1	+Vo			
		2	-Vo			
		3	-Vo			
  KYCON KPJX-CM-4S equivalent	Type No.	Pin Assignment			None	
	R7BF	PIN No.	Output			
		1	+Vo			
		2	-Vo			
 	Type No.	Pin Assignment			Available (Current rating: 7.5A max.)	
	R1B	PIN No.	Output			
		1	-Vo			
		2	-Vo			
		3	+Vo			
  Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>5</u> mm)	Type No.	Pin Assignment			None	
	by customer	PIN No.	Output			
		1	+Vo			
		2	-Vo			

### ■ Installation Manual

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