


 Energy Verified
 Rendement
 Énergétique Vérifié

UL62368-1

 R33100
 RoHS

IEC62368-1 TPTC004



■ Features

• Global certificates

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

• Energy efficiency Level VI

- Comply with EISA 2007/DoE and NRCan
- 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)
- 3 years warranty

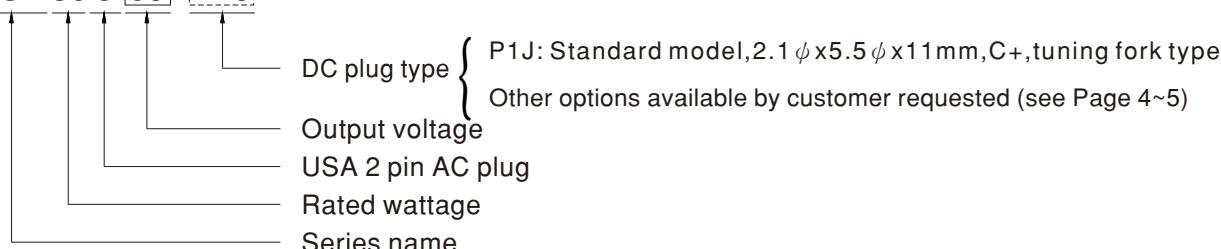
■ Applications

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

■ Description

GST36U 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 USA 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, GST36U is compliant with USA EISA 2007/DoE and Canada NRCan. 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. GST36U is certified for the international safety regulations.

■ Model Encoding

 GST 36 U **05** -**P1J**




36W AC-DC Reliable Green Industrial Adaptor

GST36U series

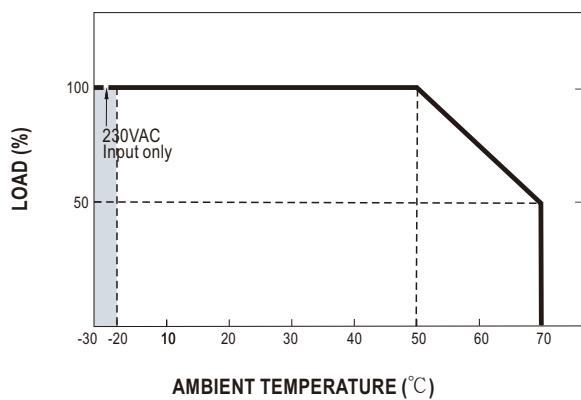
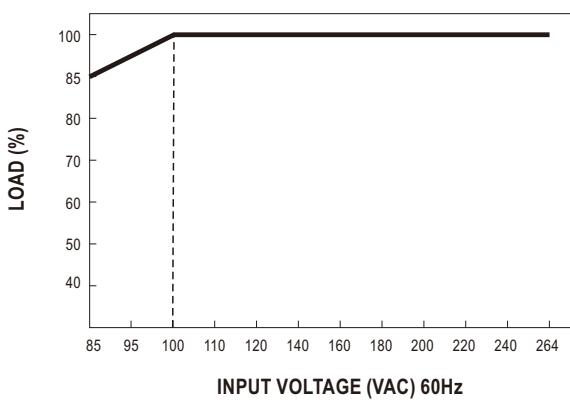
SPECIFICATION

ORDER NO.	GST36U05-P1J	GST36U09-P1J	GST36U12-P1J	GST36U24-P1J	GST36U48-P1J		
OUTPUT	SAFETY MODEL NO.	GST36U05	GST36U09	GST36U12	GST36U24		
	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%		
INPUT	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			
PROTECTION	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				
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC					
ENVIRONMENT	OVERLOAD	110 ~ 150% rated output power					
		Protection type : Hiccup mode, recovers automatically after fault condition is removed					
SAFETY & EMC (Note. 8)	OVER VOLTAGE	110 ~ 140% rated output voltage					
		Protection type : Clamp by zener diode					
OTHERS	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./cycle, period for 60min. each along X, Y, Z axes					
CONNECTOR	SAFETY STANDARDS	UL62368-1, CSA C22.2 No.62368-1, BSMI CNS14336-1, 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					
	EMC EMISSION	Parameter	Standard	Test Level / Note			
		Conducted emission	FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B) CNS13438, EAC TP TC 020	Class B			
NOTE	RADIATED EMISSION	Radiated emission	FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B) CNS13438, EAC TP TC 020	Class B			
	MTBF	692.3Khrs min. MIL-HDBK-217F(25°C)					
	DIMENSION	79*54*33mm (L*W*H)					
	PACKING	204.5g; 60pcs/13.3Kg/1.15CUFT					
	PLUG	See page 4~5 ; Other type available by customer requested					
CABLE	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. Derating may be needed under low input voltage. Please check the derating curve for more details. 8. 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							

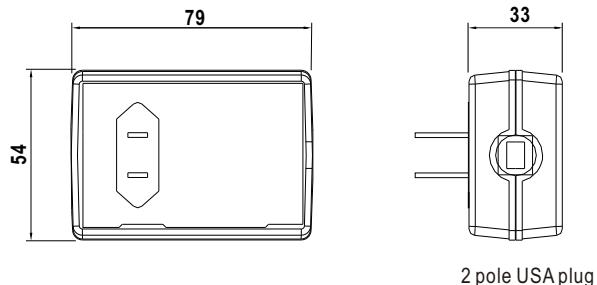
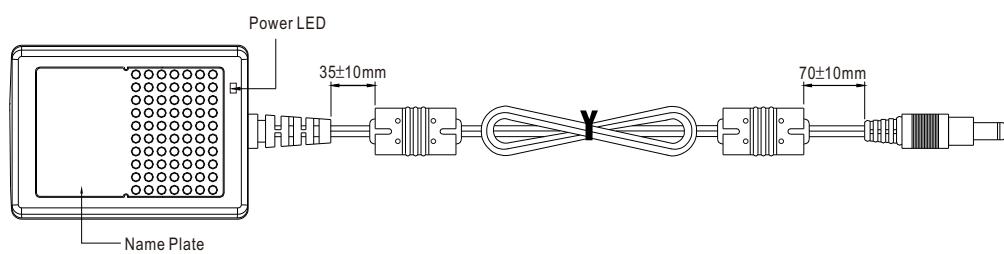
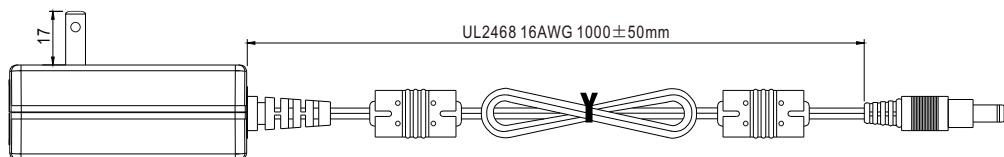


36W AC-DC Reliable Green Industrial Adaptor

GST36U series

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

Unit:mm



■ DC output plug

- ◎ Standard plug: P1J

P1J	Pin Assignment
	
5.5 2.1	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:



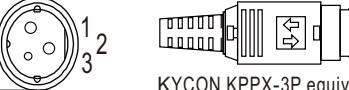
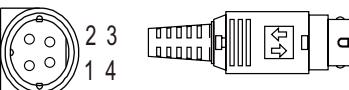
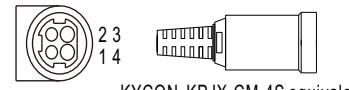
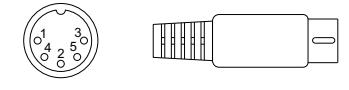
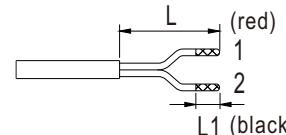
- ◎ Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style	Type No.	A	B	C	Quick Adapter Accessory
		OD	ID	L	
 	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	
 	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	
 	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	



36WAC-DC Reliable Green Industrial Adaptor

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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>