



BS EN/EN62368-1 TPTC004



■ 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

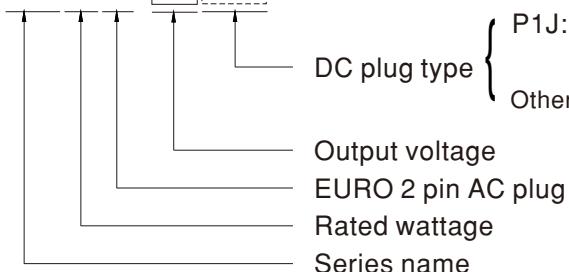
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

■ Description

GS15E is a highly reliable, 15W 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 87% and the extremely low no-load power consumption below 0.075W, GS15E 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. GS15E is certified for the international safety regulations.

■ Model Encoding

GS 15 E - 1 P1J



DC plug type { P1J: Plug for standard model, 2.1ψ × 5.5ψ × 11mm,
C+ tuning fork type
Other options available by customer requested (see Page 4~5)

Output voltage
EURO 2 pin AC plug
Rated wattage
Series name

SPECIFICATION

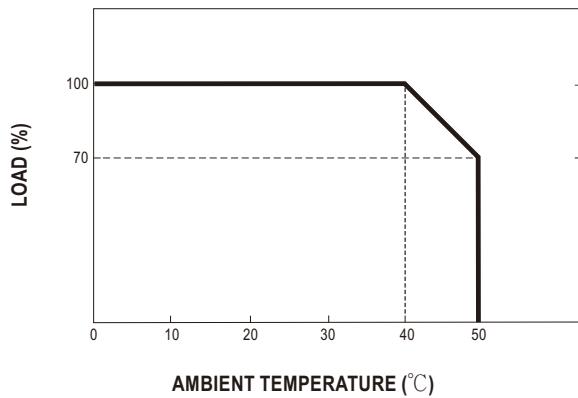
ORDER NO.	GS15E-1P1J	GS15E-11P1J	GS15E-2P1J	GS15E-3P1J	GS15E-4P1J	GS15E-5P1J	GS15E-6P1J	GS15E-8P1J														
OUTPUT	SAFETY MODEL NO.	GS15E-1	GS15E-1-1	GS15E-2	GS15E-3	GS15E-4	GS15E-5	GS15E-6	GS15E-8													
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V													
	RATED CURRENT	2.40A	1.60A	1.66A	1.25A	1.00A	0.83A	0.625A	0.31A													
	CURRENT RANGE	0 ~ 2.40A	0 ~ 1.60A	0 ~ 1.66A	0 ~ 1.25A	0 ~ 1.00A	0 ~ 0.83A	0 ~ 0.625A	0 ~ 0.31A													
	RATED POWER	12W	12W	15W	15W	15W	15W	15W	15W													
	ripple & noise (max.) Note.3	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	240mVp-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	3000ms, 50ms, 10ms at full load																				
	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC																				
	FREQUENCY RANGE	47 ~ 63Hz																				
	EFFICIENCY (Typ.)	80%	82.5%	85%	85%	85%	85%	85.5%	87%													
	AC CURRENT	0.4A / 100VAC																				
	INRUSH CURRENT (max.)	Cold start 30A / 115VAC 50A / 230VAC																				
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC																				
PROTECTION	OVERLOAD	105 ~ 250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed																				
	OVER VOLTAGE	>120% rated output voltage Protection type : Clamp by zener diode																				
ENVIRONMENT	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																				
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 40°C)																				
	VIBRATION	10 ~ 500Hz, 2G 10min./cycle, 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:3kVAC																				
	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)	Class B																		
		Radiated emission	BS EN/EN55032(CISPR32)	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/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°C)																				
	DIMENSION	34*71*50mm (L*W*H)																				
CONNECTOR	PACKING	180g ; 60pcs / 12Kg / 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)																					
※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx																						



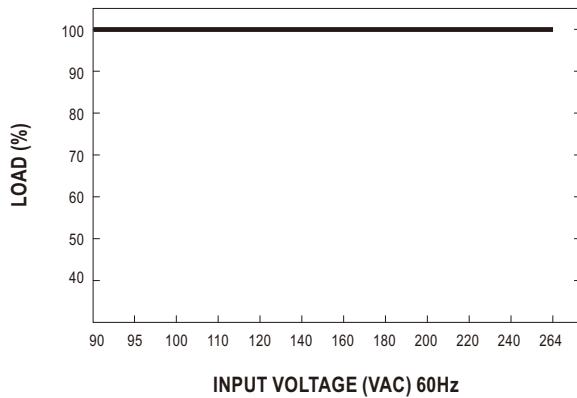
15W AC-DC Reliable Industrial Adaptor

GS15E series

■ Derating Curve



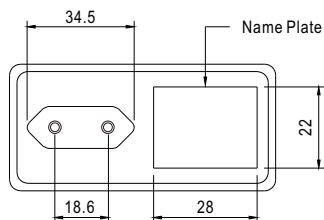
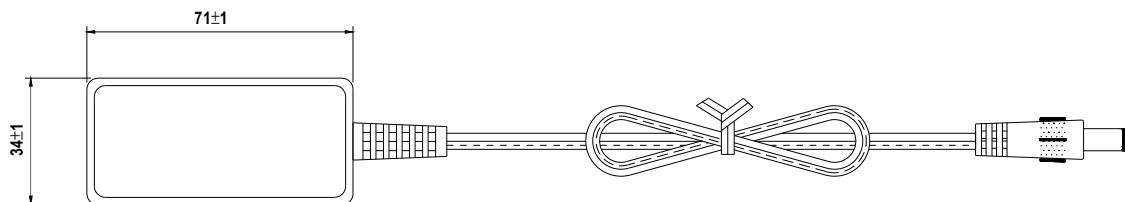
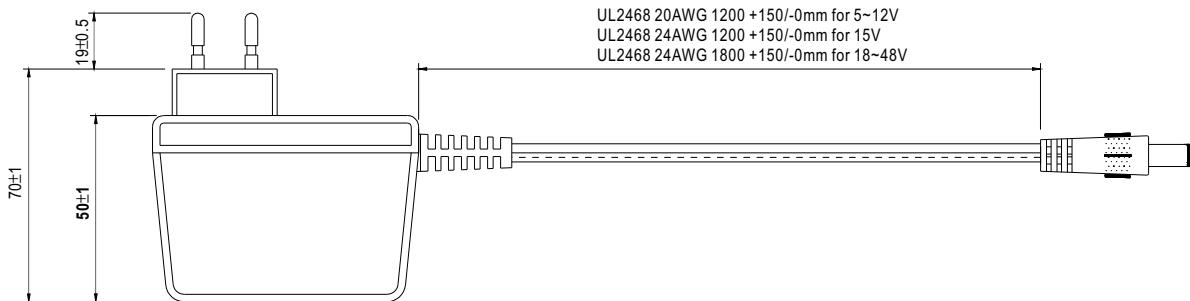
■ Static Characteristics



■ Mechanical Specification

Unit:mm

2 pole EURO plug



■ DC output plug

- ◎ Standard plug: P1J

Unit:mm

P1J	Pin Assignment
 	 Outside \ominus \oplus Inside

- ◎ DC plug changeable through:

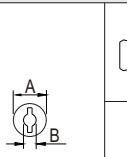
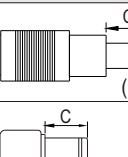
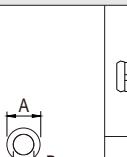
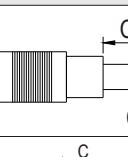
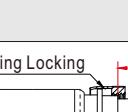
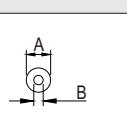
- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

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

Example quick adapter accessory:



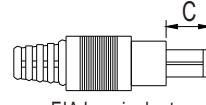
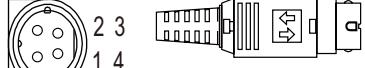
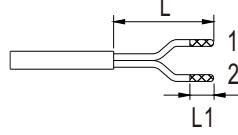
- ◎ Optional DC plug: (Available in customized cable or quick adapter)

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	
Barrel Style		Type No.	A	B	None
  	Type No.	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	None
  	Type No.	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	
Min. Pin Style		Type No.	A	B	Available (Current rating: 5A max.)
 	Type No.	OD	ID	L	
	P3A	2.35	0.7	11.0	
	P3B	4.0	1.7	11.0	
	P3C	4.75	1.7	11.0	



15W AC-DC Reliable Industrial Adaptor

GS15E series

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			
		1		+Vo			
	R6B	2		-Vo		Available (Current rating: 7.5A max.)	
		3		+Vo			
Min. DIN 4 Pin with Lock (male)		Pin Assignment				Available (Current rating: 7.5A max.)	
	R7B	PIN No.		Output			
		1		+Vo			
		2		-Vo			
		3		-Vo			
		4		+Vo			
Min. DIN 4 Pin with Lock (female)	R7BF	Pin Assignment				None	
		PIN No.		Output			
		1		+Vo			
		2		-Vo			
	R7BF	3		-Vo		None	
		4		+Vo			
Stripped and tinned leads		Pin Assignment					
	by customer	PIN No.		Output		None	
		1 (White)		+Vo			
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2 (Black)		-Vo			

■ Installation Manual

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