



■ Features

- Interchangeable AC plugs (plug kit sold separately)
- Universal AC input / Full range
- No load power consumption < 0.075W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE, EU ErP
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- 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)
- 2 years warranty

■ Applications

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

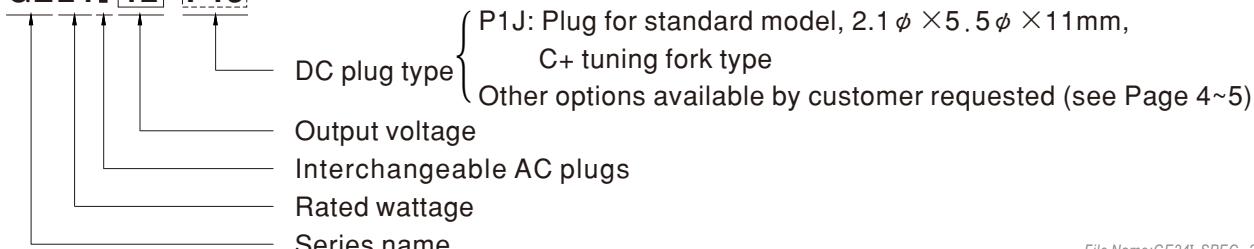
■ Description

GE24I is a highly reliable, 24W wall-mounted style single-output green adaptor series, which is compact and convenient for carry. This product is equipped with an interchangeable AC plug (4 types, including European type, USA type, U.K. type and Australian type) that makes it very suitable for businessmen to use in the major countries around the globe. GE24I is a class II power unit (without FG), accepting the input range from 90VAC to 264VAC that it can satisfy the demands for various types of electrical devices.

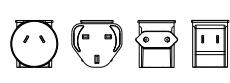
With the working efficiency up to 89% and the extremely low no-load power consumption below 0.075W, GE24I is compliant with the latest USA energy regulation EISA 2007/DoE(Level VI) and EU ErP. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for international safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazard.

■ Model Encoding

GE24I [12]-P1J



Interchangeable AC plug specifically for GE12/18/24/30/40I

TYPE					
	Australian type	U.K. type	European type	US type	Mix four type
ORDER NO.	AC plug-AU	AC plug-UK	AC plug-EU	AC plug-US	AC plug-MIX

SPECIFICATION

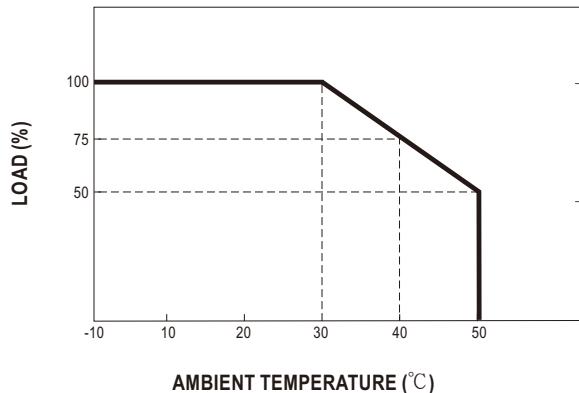
POWER SUPPLY MAIN BODY ORDER NO.	GE24I05-P1J	GE24I07-P1J	GE24I09-P1J	GE24I12-P1J	GE24I15-P1J	GE24I18-P1J	GE24I24-P1J	GE24I48-P1J
OUTPUT	SAFETY MODEL NO.	GE24I05	GE24I07	GE24I09	GE24I12	GE24I15	GE24I18	GE24I24
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V
	RATED CURRENT	3.0A	2.0A	2.22A	2.0A	1.6A	1.33A	1.0A
	CURRENT RANGE	0 ~ 3.0A	0 ~ 2.0A	0 ~ 2.22A	0 ~ 2.0A	0 ~ 1.6A	0 ~ 1.33A	0 ~ 1.0A
	RATED POWER (max.)	15W	15W	20W	24W	24W	24W	24W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	75mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
INPUT	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%
	SETUP, RISE, HOLD UP TIME	4000ms, 100ms, 30ms / 230VAC		4000ms, 100ms, 10ms / 115VAC at full load				
PROTECTION	VOLTAGE RANGE Note.7	90 ~ 264VAC	135 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	81%	83%	85.5%	86%	86%	87%	87.5%
	AC CURRENT	0.7A / 100VAC	0.4A / 230VAC					
	INRUSH CURRENT (max.)	COLD START 40A / 100VAC	80A / 230VAC					
	LEAKAGE CURRENT (max.)	0.25mA / 240VAC						
ENVIRONMENT	OVERLOAD	110% ~ 200% rated output power						
		Protection type : Hiccup mode, recovers automatically after fault condition is removed						
SAFETY & EMC (Note. 8)	OVER VOLTAGE	115% ~ 135% rated output voltage						
		Protection type : Clamp by zener diode						
SAFETY & EMC (Note. 8)	WORKING TEMP.	-10 ~ +50°C (Refer to "Derating Curve")						
	WORKING HUMIDITY	20% ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 30°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes						
SAFETY & EMC (Note. 8)	SAFETY STANDARDS	UL62368-1, CSA C22.2 NO. 62368-1, TUV BS EN/EN62368-1, AS/NZS 60950.1, CCC GB4943, 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	BS EN/EN55032(CISPR32)		Class B			
	EMC IMMUNITY	Radiated emission	BS EN/EN55032(CISPR32)		Class B			
		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			
OTHERS	Voltage dips , interruption	BS EN/EN61000-4-11			>95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
	LIFE	2 years : 100% load 30°C , 8 hours / day						
	MTBF	100Khrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	81*43*40.5mm (L*W*H)						
DC OUTPUT CONNECTOR	PACKING	134g ; 50pcs / 8.4kg / CARTON						
	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°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 0.1uf & 47uf 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)							
	9.Main body unit and AC inlet plug should be ordered separately ; it needs to be used along with any of the AC inlet plug.							
	※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx							



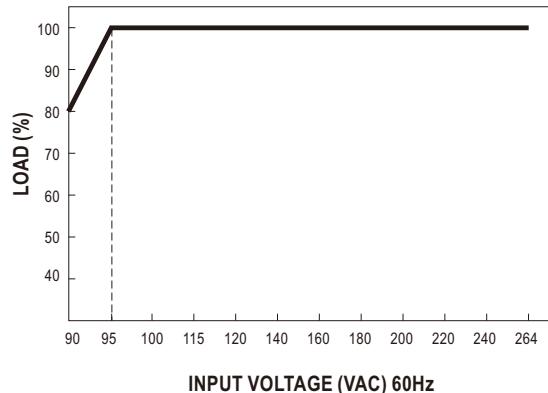
24W AC-DC Interchangeable Industrial Adaptor

GE24I series

■ Derating Curve

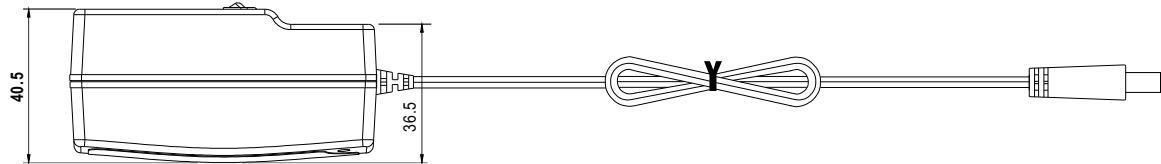


■ Static Characteristics

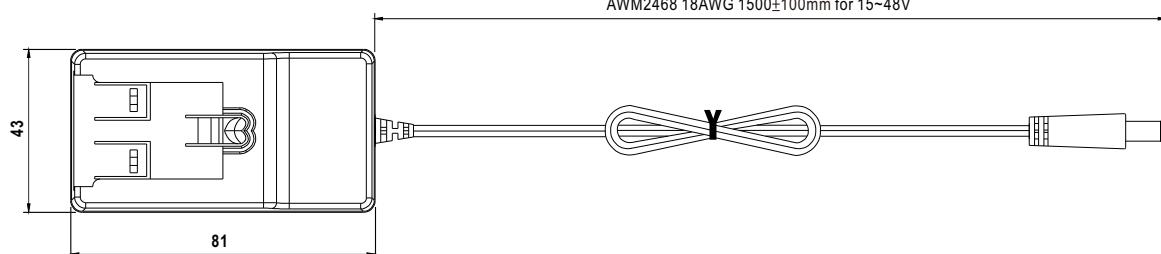


■ Mechanical Specification

Unit:mm



AWM2468 16AWG 1000±50mm for 5~12V
AWM2468 18AWG 1500±100mm for 15~48V



■ DC output plug

- ◎ Standard plug: P1J

Unit:mm

P1J	Pin Assignment
 	 Outside - - - + + + Inside

- ◎ DC plug changeable through:

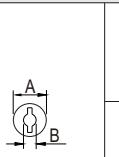
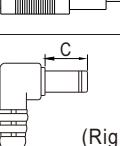
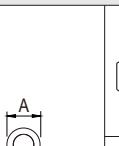
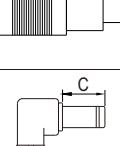
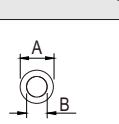
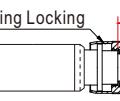
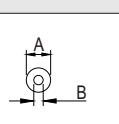
- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

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

Example quick adapter accessory:



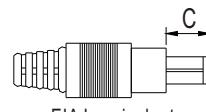
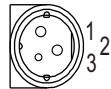
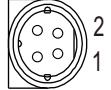
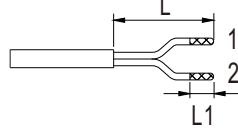
- ◎ Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style	Type No.	A	B	C	Quick Adapter Accessory
		OD	ID	L	
  	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
  	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	B	None
  	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	B	Available (Current rating: 5A max.)
 	P3A	2.35	0.7	11.0	
	P3B	4.0	1.7	11.0	
	P3C	4.75	1.7	11.0	



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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				
Stripped and tinned leads	Type No.	Pin Assignment				None		
		PIN No.	Output					
 		by customer	1 (Ribbed)	+Vo				
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)			2 (Letter)	-Vo				

■ Installation Manual

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