



■ Features

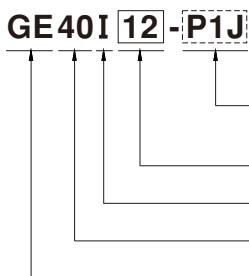
- Interchangeable AC plugs (plug kit sold separately)
- Universal AC input / Full range
- No load power consumption < 0.075W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE, EU ErP and meet CoC version 5
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- -30 ~ +70°C wide range working temperature
- 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

■ Description

GE40I is a highly reliable, 40W 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. GE40I 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, GE40I 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



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

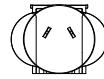
Output voltage

Interchangeable AC plugs

Rated wattage

Series name

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-AU3 (for GE40 only)	AC plug-UK (for GE12/18/24/30/40)	AC plug-EU (for GE12/18/24/30/40)	AC plug-US (for GE12/18/24/30/40)	AC plug-MIX3 (for GE40 only)

Note: Please be aware that Australian type AC plug of GE40 Series CANNOT be used on GE12-GE30 series. However, UK, European, and US type AC plug doesn't have such concern.

Order NO. of Mix four type to GE40 is AC plug-MIX3, please DO NOT order AC plug-MIX.

SPECIFICATION

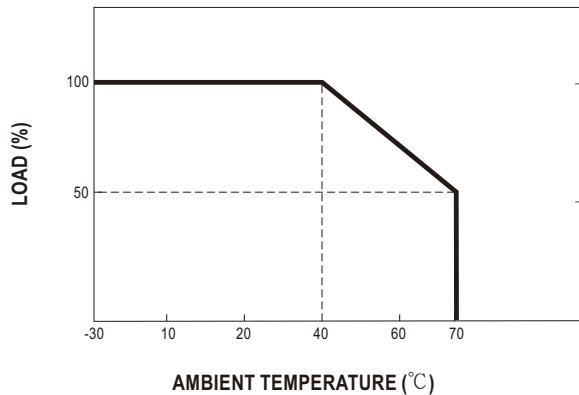
	POWER SUPPLY MAIN BODY ORDER NO.	GE40I05-P1J	GE40I07-P1J	GE40I09-P1J	GE40I12-P1J	GE40I15-P1J	GE40I18-P1J	GE40I24-P1J	GE40I36-P1J	GE40I48-P1J		
OUTPUT	SAFETY MODEL NO.	GE40I05	GE40I07	GE40I09	GE40I12	GE40I15	GE40I18	GE40I24	GE40I36	GE40I48		
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	36V	48V		
	RATED CURRENT	4A	2.66A	3.3A	3.3A	2.7A	2.2A	1.67A	1.11A	0.83A		
	CURRENT RANGE	0 ~ 4A	0 ~ 2.66A	0 ~ 3.3A	0 ~ 3.3A	0 ~ 2.7A	0 ~ 2.2A	0 ~ 1.67A	0 ~ 1.11A	0 ~ 0.83A		
	RATED POWER (max.)	20W	20W	29.7W	39.6W	40.5W	39.6W	40W	40W	40W		
	ripple & noise (max.) Note.3	100mVp-p	100mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	300mVp-p	300mVp-p		
	VOLTAGE TOLERANCE Note.4	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±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%	±1.0%	±1.0%		
	LOAD REGULATION Note.6	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%		
INPUT	SETUP, RISE, HOLD UP TIME	3000ms, 40ms, 12ms / 230VAC		3000ms, 40ms, 12ms / 115VAC at full load								
	VOLTAGE RANGE Note.7	90 ~ 264VAC		135 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY (Typ.)	81%	85%	86%	87%	87%	88%	88%	89%	89%		
	AC CURRENT	1A / 100VAC	0.5A / 230VAC									
	INRUSH CURRENT (max.)	COLD START 35A / 100VAC		70A / 230VAC								
PROTECTION	LEAKAGE CURRENT (max.)	0.25mA / 240VAC										
	OVERLOAD	110% ~ 200% rated output power		Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE	115% ~ 135% rated output voltage		Protection type : Clamp by zener diode								
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")										
ENVIRONMENT	WORKING HUMIDITY	20% ~ 90% RH non-condensing										
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 40°C)										
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
	SAFETY STANDARDS	UL62368-1, CSA C22.2 NO. 62368-1, TUV BS EN/EN62368-1, AS/NZS 60950.1, CCC GB4943.1, EAC TP TC 004 approved										
SAFETY & EMC (Note. 8)	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							
		Radiated emission	BS EN/EN55032(CISPR32)		Class B							
	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							
OTHERS	Voltage dips, interruption	BS EN/EN61000-4-11		>95% dip 0.5 periods, 30% dip 25 periods,								
	LIFE	2 years : 100% load 40°C, 8 hours / day		>95% interruptions 250 periods								
	MTBF	100Khrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	94*48.4*40mm (L*W*H)										
DC OUTPUT CONNECTOR	PACKING	200g ; 50pcs / 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 0.1uf & 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.										
	10.	Please be aware that Australian type AC plug of GE40 Series CANNOT be used on GE12-GE30 series. However, UK, European, and US type AC plug doesn't have such concern. Order no. of Mix four type to GE40 is AC plug-MIX3, please DO NOT order AC plug-MIX.										
	※	Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx										



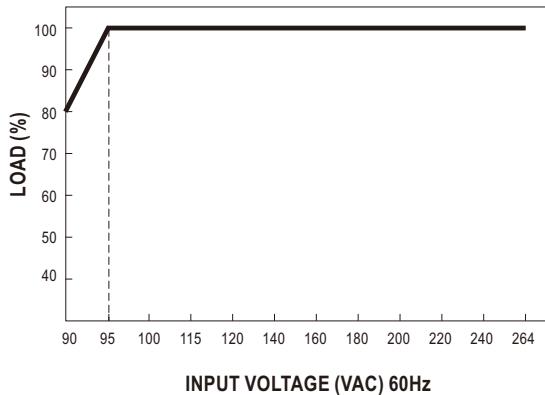
40W AC-DC Interchangeable Industrial Adaptor

GE40I series

■ Derating Curve

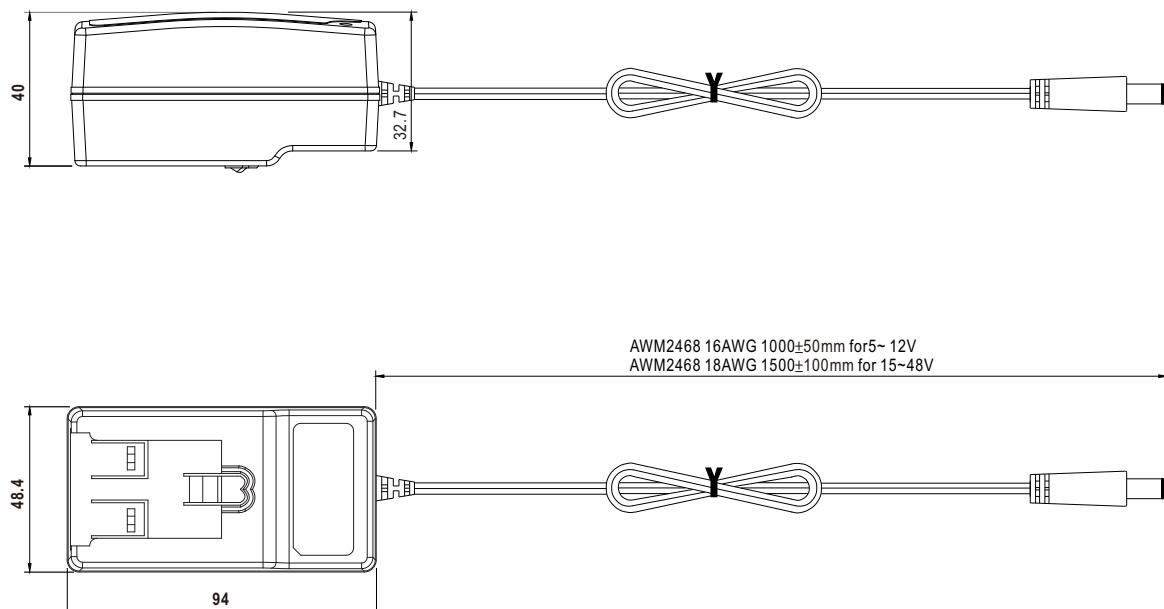


■ Static Characteristics



■ Mechanical Specification

Unit:mm



■ DC output plug

- ◎ Standard plug: P1J

Unit:mm

P1J	Pin Assignment
 	 Outside - - - + + + Inside

- ◎ DC plug changeable through:

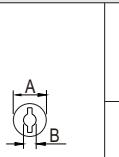
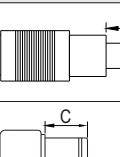
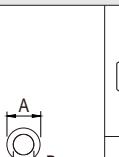
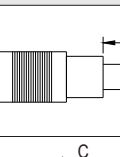
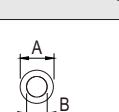
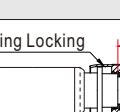
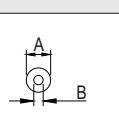
- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

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

Example quick adapter accessory:



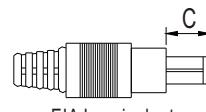
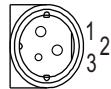
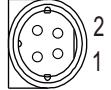
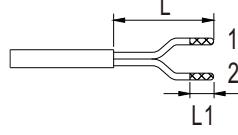
- ◎ Optional DC plug: (Available in customized cable or quick adapter)

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	C
			OD	ID	L
  	P2I	5.5	2.1	9.5	None
	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	C
			OD	ID	L
  	P2S(S761K)	5.53	2.03	12.06	None
	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	C
			OD	ID	L
 	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	



40W AC-DC Interchangeable Industrial Adaptor

GE40I 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				
  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			
Stripped and tinned leads	Type No.	Pin Assignment				None	
		PIN No.	Output				
  Length of Land L by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		by customer	1 (Ribbed)	+Vo			
			2 (Letter)	-Vo			

■ Installation Manual

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