









(NGE65I)

(NGE65E)

(NGE65U)













































Features

- MEAN WELL Patent Application Number: 202330347779.4
- Interchangeable AC plugs (I-Type)
- · Global certificates in multi-fields (ITE 62368-1, Medical 60601-1, Household 60335-1, Industrial 61558-1/-2-16)
- 80~264Vac Universal AC input
- Ultra slim(30mm)
- No load power consumption < 0.075W
- Energy efficiency Level VI
- · Class II power (no earth pin)
- Protections: Short circuit / Overload / Over voltage
- · Pass LPS
- Extremely low leakage current <100uA
- -30°C ~+70°C wide range working temperature
- Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to: https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- · 3 years warranty

Description

NGE65 is a highly reliable, 65W wall-mounted style single-output green adaptor series, which is compact and convenient for carry. This product is equipped with 7 types of interchangeable AC plug (European, USA, U.K., Australian, China, Korea and India type) that makes it very suitable for travel use.NGE65 is a Class II power unit (no FG), accepting the input range from 80VAC to 264VAC that it can satisfy the demands for various types of electrical devices.

With the working efficiency up to 92% and the extremely low no-load power consumption below 0.075W, NGE65 is compliant with the latest USA energy regulation EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS, Korea KMEPS, EU ErP and CoC version 5. 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 ITE, medical, household and industrial appliance safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazard.

Model Encoding



Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- · Industrial equipments
- · Medical devices
- Household devices

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

65W AC-DC Reliable Wall-mounted Interchangeable Type Green Adaptor NGE65 series

SPECIFICATION

			_	10 110200 01	9-F 13 NGL03 12-	10 110200 10	F 13 NGE03 () 18	-F13 NGE03 24-	P1J NGE65 48-P			
DO VOLTA OF			○ = I, U, E	0)/	401/	45)/	401/	0.07	40)/			
	DC VOLTAGE			9V	12V	15V	18V	24V	48V			
	RATED CURR		6A	5.96A	4.88A	4.34A	3.62A	2.71A	1.36A			
	CURRENT RANGE		0 ~ 6A	0 ~ 5.96A	0 ~ 4.88A	0 ~ 4.34A	0 ~ 3.62A	0 ~ 2.71A	0 ~ 1.36A			
UTPUT	RATED POWE	R	30W	53.6W	58.5W	65.1W	65.1W	65W	65.2W			
	RIPPLE & NO	ISE (max.) Note.3	100mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p			
	VOLTAGE TOLERANCE Note.4		±6.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%			
	LINE REGULA	ATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%			
	LOAD REGUL	ATION Note.6	±6.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%			
	SETUP, RISE.	HOLD UP TIME	1500ms 50ms	30ms / 230VAC	3000ms 50m	s, 10ms / 115VAC a	at full load					
	VOLTAGE RA		80 ~ 264VAC	113 ~ 370VE		5, 101107 1101710						
	FREQUENCY		47 ~ 63Hz									
	EFFICIENCY		84%	89%	90%	90%	91%	92%	92%			
NPUT	AC CURRENT		1.5A / 115VAC	0.8A / 230VA	1	30 /6	3170	32 /0	92 /6			
	INRUSH CURI		COLD START 50A / 115VAC 100A / 230VAC Touch current < 100uA (rms) @264VAC									
	LEAKAGE CU	IRRENT (max.)		, , ,								
				rated output pow								
	OVERLOAD		Protection type	: 5~24V Hiccup r	node, recovers autom	atically after fault co	ondition is removed.					
PROTECTION				48V Shut down	and latch off o/p volta	ge, re-power on to	recover.					
	OVED VOLTA	C.E.	110% ~ 140%	rated output volt	age							
	OVER VOLTA	GE	Protection typ	e : Clamp by zer	ner diode							
	WORKING TEMP.			efer to "Derating								
	WORKING HU		,	non-condensing	· · · · · · · · · · · · · · · · · · ·							
NVIRONMENT		MP., HUMIDITY		0 ~ 95% RH non-								
-ITVII (ONNIEN I	TEMP. COEFF		±0.03% / °C (0		condononing							
		TOIENT	,	,	period for 60min. eac	-h -l V V 7						
	VIBRATION				01-1/-1-11, IEC6155							
	SAFETY STAP	NDARDS	PSE J62368-1; BSMI CNS15598-1; RCM AS/NZS 61558-1/-2-16; EAC TPTC004; CCC GB4943.1 approved. KC KC62368-1; BIS IS13252(part1):2010/IEC60950-1:2005. (Please refer to next page for more details)									
	WITHSTAND	VOLTAGE	I/P-O/P:4000VAC									
	ISOLATION R		I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH									
	iooz/mon k	20101711102	Parameter Standard Test Level / Note									
			i arameter		BS EN/EN55032(CIS	DD32\/EN55011	ECC Part15					
	EMC EMISSION		Conducted emiss	SIOII	CNS15936, GB/T 92 BS EN/EN55032(CIS	54.1-2021, KC C98	FCC Part15	Class B				
			Radiated emission	on	CNS15936, GB/T 92 BS EN/EN61000-3-2	, ,	332	Class B				
0.A.F.E.T.V. 0			Harmonic curren Parameter	(1101010)				Class A Test Level /Note				
SAFETY & EMC					Standard							
Note. 8)			RF field suscept		BS EN/EN61000-4-2 BS EN/EN61000-4-3			Level 4, 15KV air; Level 4,8KV contact				
•								Level 2, 3V/m				
	EMC IMMUNIT	v	EFT bursts		BS EN/EN61000-4-4			Level 3, 2KV				
	LINIC IIVINIUNIII	•	Surge susceptib		BS EN/EN61000-4-5			Level 3, 1KV/L-N				
			Conducted susc		BS EN/EN61000-4-6			Level 2, 3V				
			Magnetic field im	nmunity	BS EN/EN61000-4-8			Level 2, 3A/m				
			Voltage dips , int	erruption	BS EN/EN61000-4-11			>95% dip 0. 5 perio				
	MTDF		000 0 1/1-	MIL LIBBIG	047F (05°C)	050 4 Khina III	Telepartic TD/00	>95% interruptions	•			
	MTBF		682.2 Khrs min		Z1/F (Z5°C) 5	852.4 Khrs min.	reicordia TR/SR-	332(Bellcore) (25°C)			
OTHERS	DIMENSION		62*30*65mm (L*W*H)									
O I I I I I	PACKING	MAIN BODY AC PLUGS	196g; 60pcs/ 13.4Kg / 0.94CUFT for NGE65Ixx/Uxx-P1J 211g; 45pcs/ 11.4Kg / 1.06CUFT for NGE65Exx-P1J Refer to Page 3									
	DITIC	AUTEUGG			ilable by customer re	auested						
C OUTPUT					•	•						
	See page 6~7; 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 0.1 μ F & 47 μ F 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.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 https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 9.Test harmonic current at 85% load.											



■ Interchangeable AC Plug Specifically for NGE12/18/30/45/65/90 (I-Type)

			NGE65I (Universa		n)			NGE65Exx-P1J (EU Version)	NGE65Uxx-P1J (US Version)		
Order NO.		•									
	Interchangeable Type (Unfoldable; AC Pin fixed)							Non-Interchangeable Type			
AC plug	EU	US	UK	AU	CN	KR	IN				
Ao piug	4	&	Sp.	•	4			Unfoldable AC Pin	Foldable AC Pin		
Certificate			KRA 📤					CB DEKRA	CBA		

■ AC Plugs Accessory (Sold Seperately)

	5	Per Bag	Per Cart	on
MW's order NO.	Per Unit	Q'Ty	Q'Ty	G.W.
AC PLUG-EU4	#	30 pcs	300 pcs (10 bags)	5.4Kg
AC PLUG-US4	&	30 pcs	300 pcs (10 bags)	4.7Kg
AC PLUG-UK4	*	30 pcs	300 pcs (10 bags)	7.1Kg
AC PLUG-AU4		30 pcs	300 pcs (10 bags)	5.2Kg
AC PLUG-CN4	**	30 pcs	300 pcs (10 bags)	4.8Kg
AC PLUG-KR4	#	30 pcs	300 pcs (10 bags)	6.3Kg
AC PLUG-IN4		30 pcs	300 pcs (10 bags)	7.7Kg
AC PLUG-MIX4	(Per Set)	30 pcs (5 Types*6 mixed bags)	300 pcs (5 Types*6 mixed bags) (10 bags)	5.45Kg
AC PLUG-MIX5	(Per Set)	35 pcs (7 Types*5 mixed bags)	315 pcs (7 Types*5 mixed bags) (9 bags)	6.13Kg



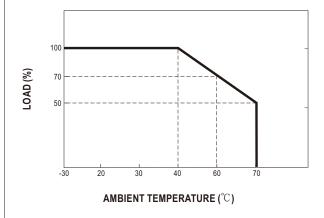
■ Interchangeable AC Plug Installation Steps (Convertible with I Type only)

Step1	Step2
Slide in AC converter along the guided rail between the metal prongs until it is locked in (with a "click" sound).	Check if the new plug type is stable and correct before use.

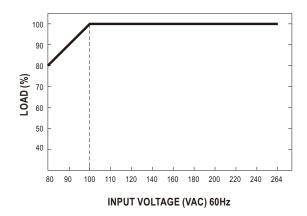
Note:

- 1. NGE65I main body unit and AC inlet plug should be ordered separately.
- 2. NGE65I needs to be used along with one of the AC inlet plug (EU,US,UK,AU,CN,KR,IN).

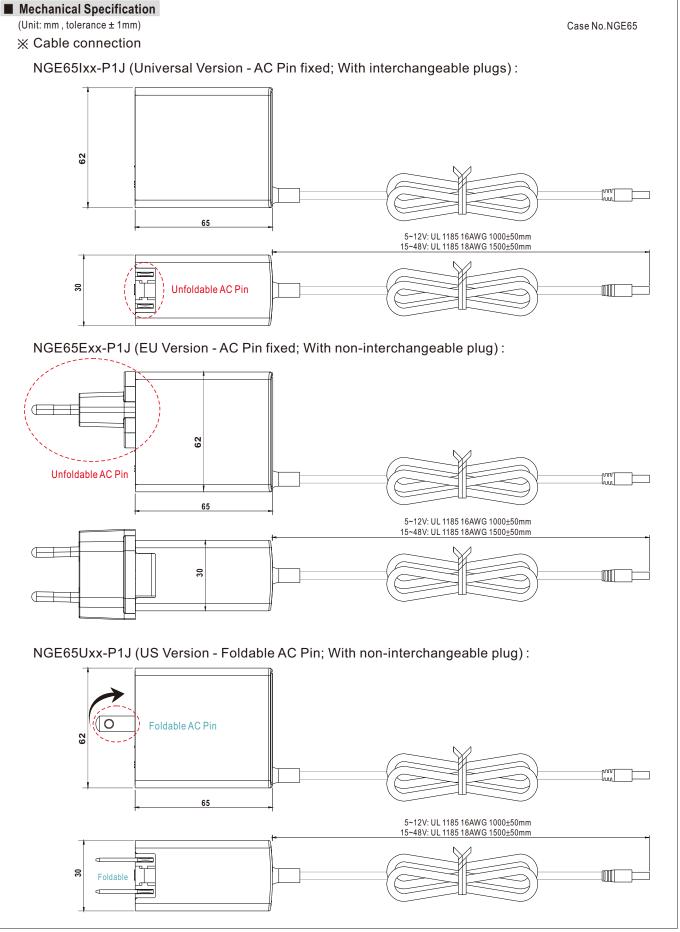
■ Derating Curve



■ Static Characteristics





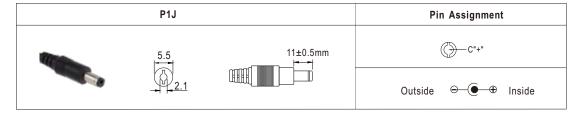




■ DC Output Plug

O Standard plug: P1J

Unit:mm



- O 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)

P1 5.5 2.1 9.5		Tuning Fo	rk Styla	Type No.	Α	В	С	Quick Adapter		
P1L 5.5 2.5 9.5		Tulling 1 0	TR Otyle	турстчо.	OD	ID	L	Accessory		
None Straight P1M S.5 2.5 11.0 Available Current rating: 7.5A ma Current ratin			- C	P1I	5.5	2.1	9.5			
None Straight P1M S.5 2.5 11.0 Available Current rating: 7.5A ma Current ratin				P1L	5.5	2.5	9.5			
P1JR 5.5 2.1 11.0 P1LR 5.5 2.5 9.5 P1MR 5.5 2.5 11.0 P2M 5.5 2.1 11.0 P2M 5.5 2.5 11.0 P2M 5.5 2.5 11.0 P2M 5.5 2.1 9.5	The same of the sa	A_		P1M	5.5	2.5	11.0	A - 9 - 1 - 1 - 1		
P1JR 5.5 2.1 11.0 P1LR 5.5 2.5 9.5 P1MR 5.5 2.5 11.0 P2M 5.5 2.1 11.0 P2M 5.5 2.5 11.0 P2M 5.5 2.5 11.0 P2M 5.5 2.1 9.5	1		C C	P1IR	5.5	2.1	9.5			
(Right-angled) P1MR 5.5 2.5 11.0 Barrel Style Type No. A B C OD ID L P2I 5.5 2.1 9.5 P2J 5.5 2.1 11.0 P2L 5.5 2.5 9.5 None (Straight) P2M 5.5 2.5 11.0 P2R 5.5 2.1 9.5	-	<u> → </u>		P1JR	5.5	2.1	11.0	(Current rating: 7.5A max.)		
Barrel Style Type No. A B C OD ID L P2I 5.5 2.1 9.5 P2J 5.5 2.1 11.0 P2L 5.5 2.5 9.5 None (Straight) P2M 5.5 2.1 9.5 None			(5:1/	P1LR	5.5	2.5	9.5			
Straight P2M 5.5 2.1 9.5			(Right-angled)	P1MR	5.5	2.5	11.0			
C P2I 5.5 2.1 9.5 P2J 5.5 2.1 11.0 P2L 5.5 2.5 9.5 (Straight) P2M 5.5 2.5 11.0 P2IR 5.5 2.1 9.5		Barrol	Styla	Type No	Α	В	С			
P2J 5.5 2.1 11.0 P2L 5.5 2.5 9.5 (Straight) P2M 5.5 2.5 11.0 P2IR 5.5 2.1 9.5		Dallel	Type No.	OD	ID	L				
P2L 5.5 2.5 9.5 None (Straight) P2M 5.5 2.5 11.0 P2IR 5.5 2.1 9.5			. C .	P2I	5.5	2.1	9.5	None		
(Straight) P2M 5.5 2.5 11.0 None P2IR 5.5 2.1 9.5			(Straight)	P2J	5.5	2.1	11.0			
(Straight) P2M 5.5 2.5 11.0 P2IR 5.5 2.1 9.5 P2 IR 5.5 2.1 11.0	-	A B		P2L	5.5	2.5	9.5			
P2IR 5.5 2.1 9.5	1			P2M	5.5	2.5	11.0			
P2 IR 5.5 2.1 11.0				P2IR	5.5	2.1	9.5			
				P2JR	5.5	2.1	11.0			
(Right-angled) P2LR 5.5 2.5 9.5				P2LR	5.5	2.5	9.5			
(Right-angled) P2MR 5.5 2.5 11.0			(Right-angled)	P2MR	5.5	2.5	11.0			
Lock Style Type No. A B C		Lock	tylo	Type No	А	В	С			
OD ID L		LUCKS	rtylo	Type No.	OD	ID	L			
Floating Locking -C P2S(S761K) 5.53 2.03 12.06 None	_	Α	Floating Locking C-	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		B		P2K(761K)	5.53	2.54	12.06	INOILE		
P2C(S760K) 5.53 2.03 9.52	00			P2C(S760K)	5.53	2.03	9.52			
SWITCHCRAFT original or equivalent P2D(760K) 5.53 2.54 9.52			SWITCHCRAFT original or equivalent	P2D(760K)	5.53	2.54	9.52			



N. B. O. I	T N.	A		В	С	Quick Adapter	
Min. Pin Style	Type No.	OD	_	ID	L	Accessory	
. A. I C	P3A	2.35	(0.7	11.0	Accellate	
	P3B	4.0		1.7	11.0	Available (Current rating: 5A max.)	
ElAJ equivalent	P3C	4.75		1.7	11.0	(Ga. G.	
Contar Din Style	Type No.	А	В	С	D		
Center Pin Style	туре но.	OD	ID	L	Center Pin		
A LA LC	P4A	5.5	3.4	11.0	1.0	Available	
	P4B	6.5	4.4	11.0	1.4	(Current rating: 7.5A max.)	
EIAJ equivalent	P4C	7.4	5.1	11.0	0.6		
Min. DIN 3 Pin with Lock (male)	Typo No	Р	in Assi	Assignment			
Willi. DIN 3 Pill Willi Lock (Illale)	Type No.	PIN No).	Outp	ut		
		1		+Vo		Available (Current rating: 7.5A max.)	
	R6B	2		-Vo			
KYCON KPPX-3P equivalent		3		+Vo)		
	Tuna Na	Pin Assignment					
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No	PIN No. Output				
		1		+\/()	Available	
2 3	R7B	2		-Vo		(Current rating: 7.5A max.)	
KYCON KPPX-4P equivalent		3		-Vo			
		4		+\(
Stripped and tinned leads	Type No.	Pin Assigni					
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PIN No).	Outp	ut		
1	by customer	1 (Ribbed)	+Vo -Vo		None	
L1 Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)	5 / 545.51101	2 (Letter)				

■ Installation Manual

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