

U Type: US Plug



Size: 3.17in x 1.54in x 1.6in

E Type: EU Plug



Size: 3.17in x 1.54in x 1.6in

SA Type: 2-Pin AUS Plug



Size: 3.17in x 1.61in x 1.6in

BS Type: UK Plug



Size: 3.17in x 1.94in x 1.6in

KR Type: Korean Plug

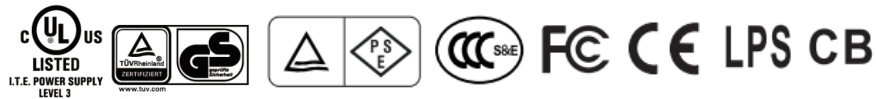


Size: 3.17in x 1.54in x 1.6in

AR Type: Argentina Plug



Size: 3.17in x 1.61in x 1.6in



OPTIONS

- Interchangeable plugs
- Output Connector
- Output Voltage

FEATURES

- Universal Input Voltage of 100~240VAC
- Single Output
- Optional Output Connectors Available
- 5~6, 8~58V Models Meet EISA 2007/DoE (VI) & ErP/CoC (5)
- Short Circuit, Over Voltage, and Over Current Protection
- Six Interchangeable Plugs Available: US Plug, EU Plug, 2-Pin AUS plug, UK Plug, Korean Plug, and Argentina Plug
- UL60950-1; CSA C22.2, EN60950-1, IEC60950-1, CCC and J60950 Safety Approvals
- 40.6 Maximum Output Power

DESCRIPTION

The WMIGPSU40 series of AC DC interchangeable wall mount power supplies provides up to 40 watts of output power in a compact package. This series consists of single output models with output voltages ranging from 5~58VDC and universal input voltage range of 100~240VAC. There are six interchangeable plugs available for this series: US plug, EU plug, 2-Pin AUS plug, UK plug, Korean plug, and Argentina plug. Each model in this series is protected against short circuit, over voltage, and over current conditions and has UL60950-1; CSA C22.2, EN60950-1, IEC60950-1, and J60950 safety approvals. The 5~6, and 8~58V models are Energy Level VI compliant. Please call factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage Range	Measured at Output	Output Current	Ripple & Noise	No Load Power Consumption	Output Power	Efficiency Level (DoE/CoC)	Efficiency ⁽²⁾	
									DoE	CoC
WMIGPSU40x-1	100~240VAC	5~6VDC	5VDC	5.00~4.16A	200mV	<0.075W	25W	VI/5	84.25%	>85%
WMIGPSU40x-1-1		6~8VDC	7.5VDC	5.00~3.75A	200mV	<0.3W	30W	VI/4	>83.5%	>83.5%
WMIGPSU40x-2		8~11VDC	9VDC	5.00~3.64A	120mV	<0.075W	40.04W	VI/5	87.60%	>88.60%
WMIGPSU40x-3		11~13VDC	12VDC	3.64~3.08A	130mV	<0.075W	40.04W	VI/5	87.60%	>88.60%
WMIGPSU40x-4		13~16VDC	15VDC	3.08~2.50A	250mV	<0.075W	40.04W	VI/5	87.60%	>88.60%
WMIGPSU40x-5		16~21VDC	18VDC	2.50~1.90A	250mV	<0.075W	40W	VI/5	87.60%	>88.60%
WMIGPSU40x-6		21~27VDC	24VDC	1.90~1.49A	300mV	<0.075W	40.23W	VI/5	87.60%	>88.60%
WMIGPSU40x-7		27~33VDC	30VDC	1.49~1.22A	300mV	<0.075W	40.26W	VI/5	87.60%	>88.60%
WMIGPSU40x-8	33~58VDC	48VDC	1.22~0.70A	400mV	<0.075W	40.6W	VI/5	87.60%	>88.60%	

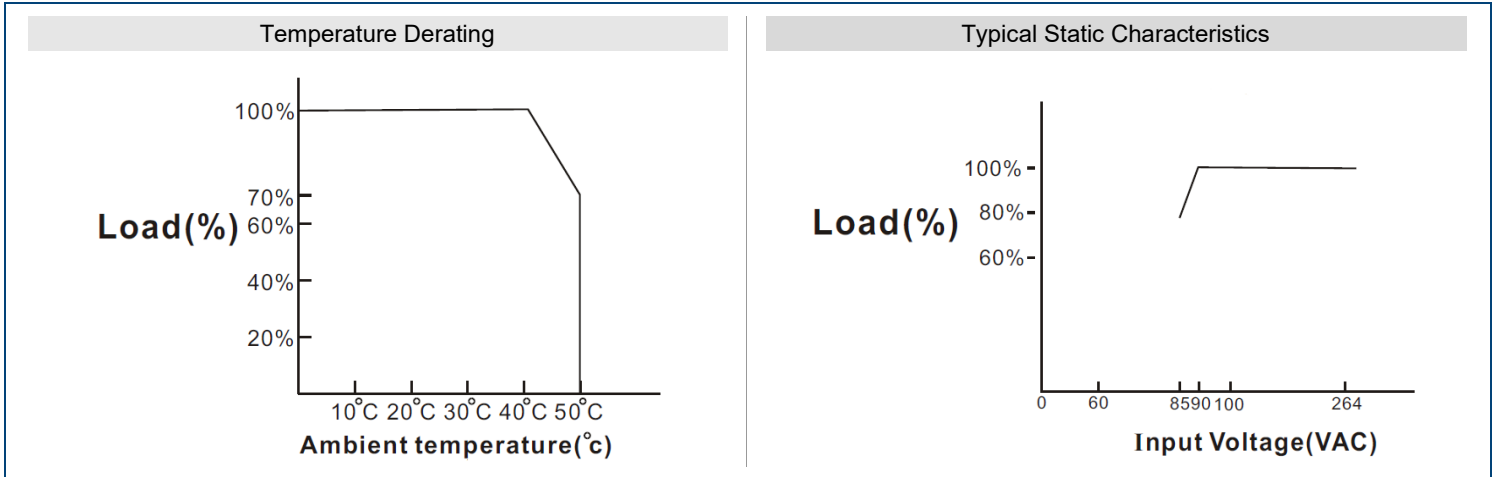
SPECIFICATIONS					
<p style="color: red;">All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted. We reserve the right to change specifications based on technological advances.</p>					
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current				1	A
Inrush Current	@115VAC at 25°C cold start		65		A
	@230VAC at 25°C cold start		95		
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	For any input voltage change between input voltage range			±1	%
Load Regulation	Variations from minimum to maximum output current	5~8V Models		±6	%
		Others		±5	
Output Power		See Table			
Output Current		See Table			
Ripple & Noise		See Table			
Transient Response	Maximum excursion of 4% of better on all models. Recovering to 1% of final value within 500µS after a 25% step load change				
Set-Up Time	@Full Load		1000		mS
Hold Up Time	@Full Load		10		mS
Rise Time	@Full Load		50		mS
Temperature Coefficient	All outputs			±0.04	%/°C
PROTECTION					
Short Circuit Protection	Hiccup Mode	Automatic Recovery			
Over Current Protection	Hiccup Mode	Automatic Recovery			
	Rated Output Current	110			%
Over Voltage Protection	Protected by Zener Diode				
	Rated Output Current	110		140	%
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	See Derating Curve	0		40	°C
Storage Temperature		-40		85	°C
Relative Humidity	Non-Condensing	5		95	%
Derating	Derated from 100% at 40°C linearly to 70% at 50°C				
MTBF	@Full Load, 25°C ambient	100,000			hours
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Insulation Resistance	From Input to Output	50			MΩ
Withstand Voltage	From Input to Output		4242		VDC
Leakage Current				0.25	mA
PHYSICAL SPECIFICATIONS					
Weight		6~6.7oz (170~190g)			
Dimensions (L x W x H)	U Type, E Type, KR Type	3.17in x 1.54in x 1.6in (80.5mm x 39.1mm x 40.7mm)			
	SA Type, AR Type	3.17in x 1.61in x 1.6in (80.5mm x 41mm x 40.7mm)			
	BS Type	3.17in x 1.94in x 1.6in (80.5mm x 49.4mm x 40.7mm)			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals	UL60950-1 ⁽⁵⁾ ; CSA C22.2, EN60950-1, IEC60950-1, CCC J60950				
EMC	CE: Emission: EN55022; EN61000-3-2,3 Immunity: IEC61000-4-2,3,4,5,6,11 FCC 47 CFR Part 15 Subpart B				

NOTES

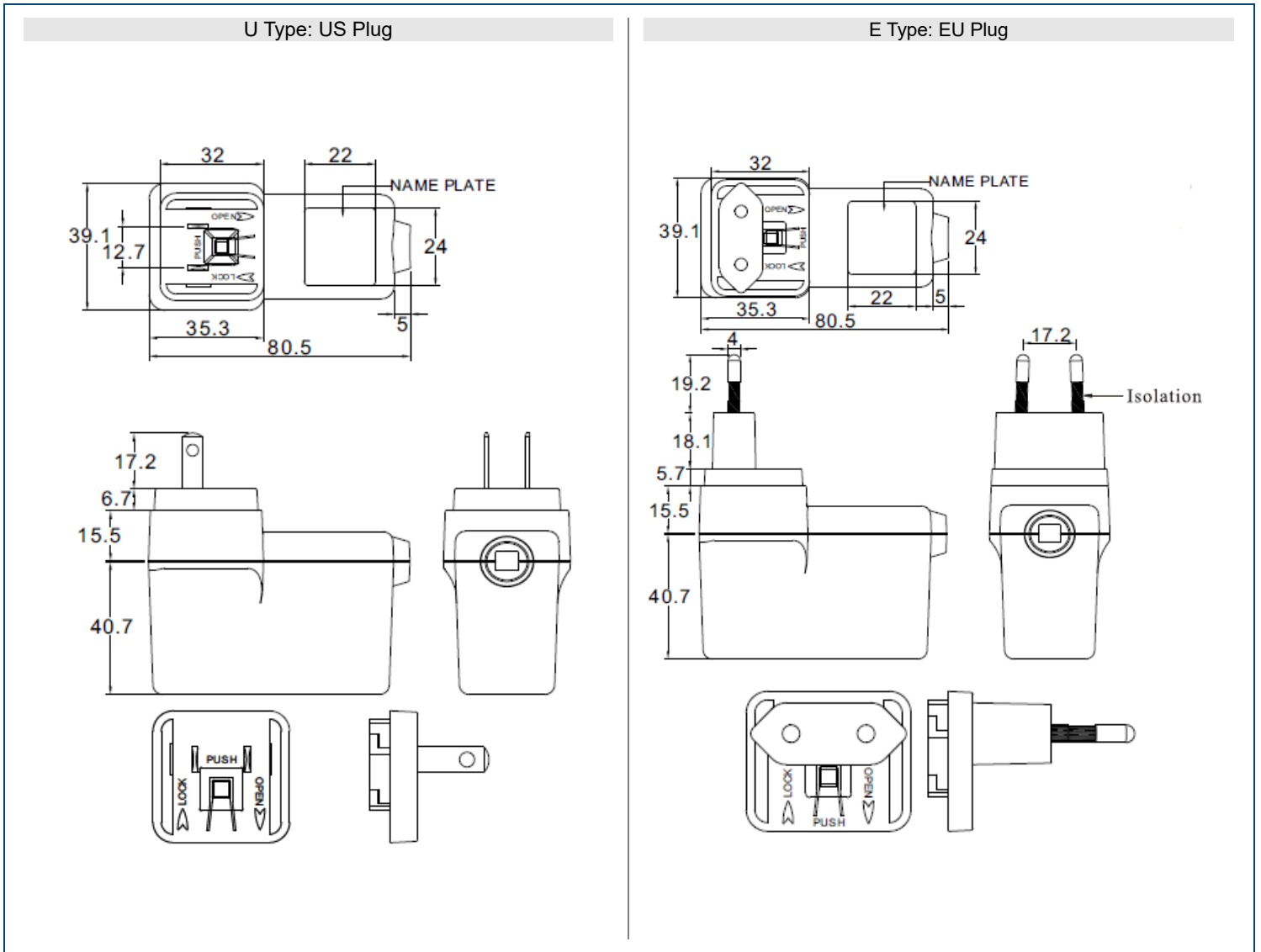
- (1) "x" in model number represents interchangeable plug type. "x" can be: "U" = U Type= US Plug, "E"= E Type= EU Plug, "SA" = SA Type= 2-Pin AUS Plug, "BS"= BS Type= UK Plug, "KR"= KR Type= Korea Plug, or "AR"= AR Type= Argentina Plug.
- (2) Averages efficiency at 25, 50, 75, and 100% of max. rated output current.
- (3) Optional output connectors available. Please call factory for details.
- (4) Standard Output Cables:
5~6V: UL1571, 14AWG, 1M
6~8V: UL2468, 18AWG, 1M
8~16V: UL2468, 16AWG, 1M
16~58V: UL2468, 20AWG, 5FT
- (5) This product is Listed to applicable standards and requirements by UL.

**Due to advances in technology, specifications subject to change without notice.*

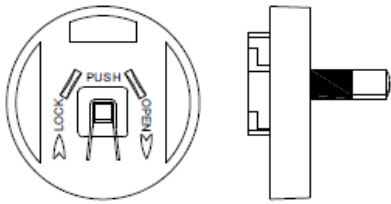
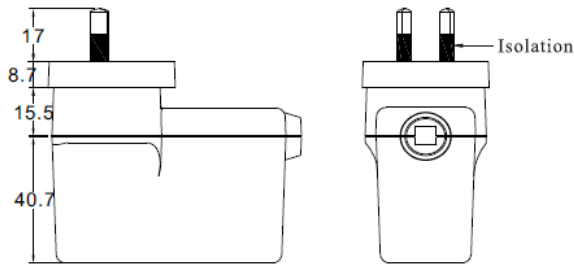
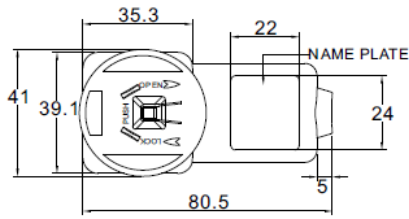
DERATING CURVES



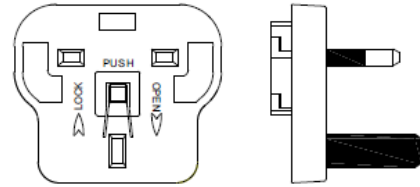
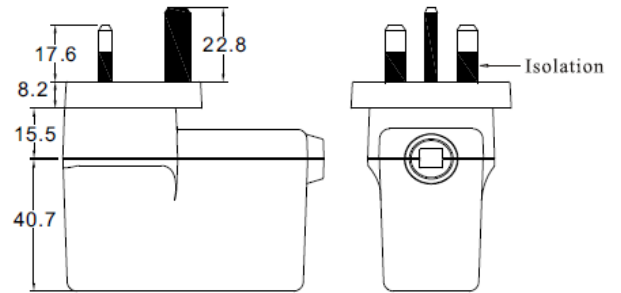
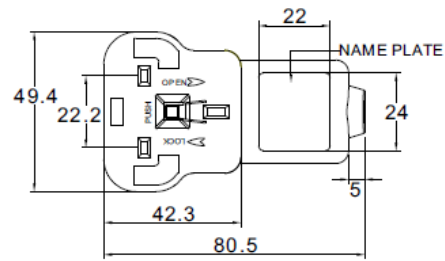
MECHANICAL DRAWINGS



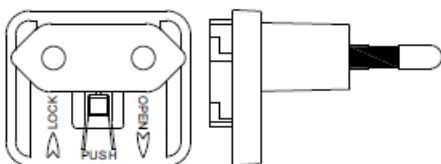
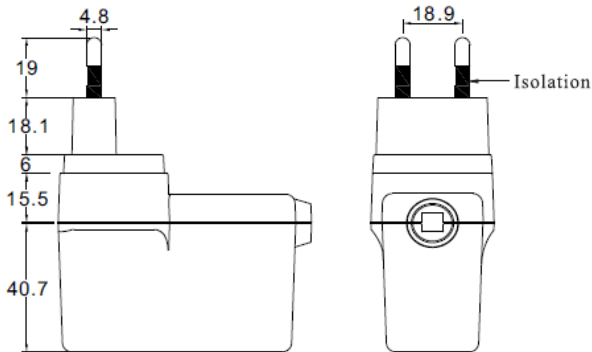
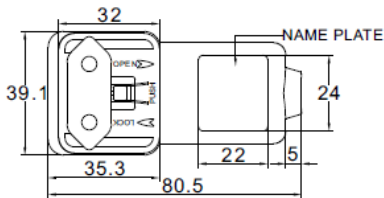
SA Type: 2-Pin AUS Plug



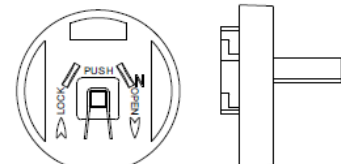
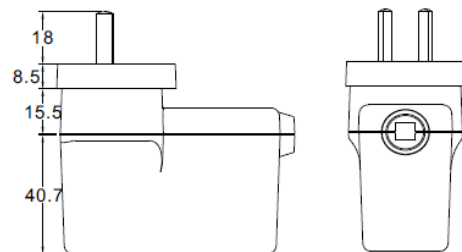
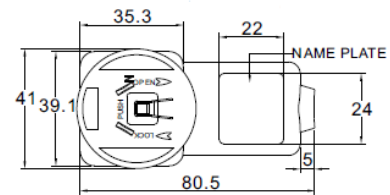
BS Type: UK Plug



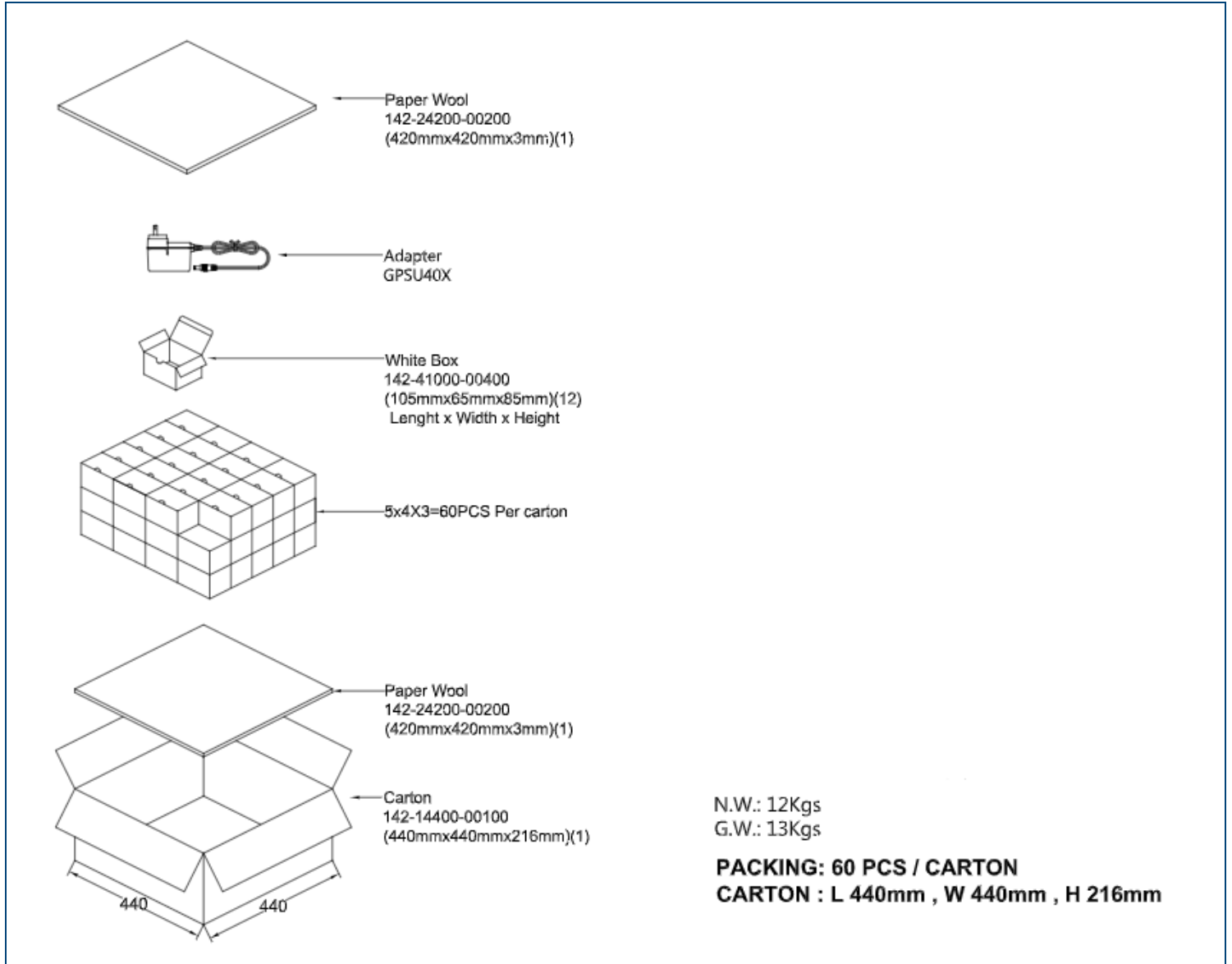
KR Type: Korea Plug



AR Type: Argentina Plug



PACKING INFORMATION



COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

Contact **Wall Industries** for further information:

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