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HELMS-MAN TRANSFORMERS



HELMS-MAN (HUI YANG) ELECTRIC LTD.

興茂(惠陽)電器有限公司

Name: Helms-Man(Hui Yang) Electric Ltd.
Plant size: 300,000 sq.ft
Workforce: 2,000
Engineers: 25
Capacity: 3,000,000 units per month
Address: Xin Xu, Hui Yang, Guang Dong, China
中國工廠 惠州市惠陽區新墟鎮新聯管理區
電話: 0752-3050188
傳真: 0752-3050189

HELMS-MAN TRANSFORMERS CO., LTD.

興茂電源有限公司

Flat A, B, C, D, 3/F., High Win Factory Building,
47 Hoi Yuen Road, Kwun Tong, Kowloon, Hong Kong
Tel.: (852) 2342 0123 Fax: (852) 2341 1343
香港總部: 香港官塘閣源道47號凱源工業大廈3樓A, B, C, D座

HELMS-MAN INTERNATIONAL (US) CORP

興茂國際(北美)有限公司

5441 Cogswell Road, Unit F, Arcadia, CA 91006
Tel.: (626) 303 2842 Fax: (626) 303 2863



HELMS-MAN TRANSFORMERS

Since 1976

Since 1976 **HELMS-MAN TRANSFORMERS** has been serving the world's electronic and electric industries by designing and manufacturing world class certified adaptors, power transformers and switching mode power supplies for our global customers on ODM or OEM basis.

Nowadays at our ISO 9001 - accredited factory in south China, we are producing 100K plus pieces of various standards of power supplies everyday to help our customers to distribute their products to the global market not only with the lowest possible cost but also in the shortest possible lead time.

Backed by our latest CSM (Customer Satisfaction Maximizer) and MRP (Manufacturing Resources Planning) systems we are offering our customers a chain of value-added services covering all critical areas including Product Concept Development, Engineering Analysis & Design Verification, Product Appearance and Moulds Design, Fast-track Concept Modelling and Prototyping, Safety & EMC Approbation, SMT and AI Auto-Assembly, JIT Manufacturing, Continuous Cost Optimization Analysis, Consistent Throughput Control by FMEA & SPC, and Full Logistic Support.

Getting to know more details about our company or products, please send your inquiry to enquiry@helms-man.com or marketing@helms-man.com or call us at 852-23420123, or visit our website www.helms-man.com



自1976年始，興茂電源 **HELMS-MAN TRANSFORMERS** 便為全球電子及電氣行業客戶提供從自主設計，代客設計以至代工生產等不同模式的生产服务以及全面的电源产品，包括电子变压器，适配器，转换器，充电器和开关电源等。

今天興茂電源設於中國惠州惠陽的ISO認證工廠，每天為全球不同客戶生產超過十萬個CE，GS，UL，CSA，CCC，PSE等國際認可的優質電源產品。我們努力使到我們的客戶能夠以更佳的成本，更短的生产周期，把更優質的產品投放到國際市場。

興茂電源于中國惠州惠陽的工廠利用先進的客戶管理系統(CSM)及資源計劃系統(MRP)，為客戶提供以下全方位的高增值服務，包括產品概念設計，工程分析及設計，產品外觀設計，模具設計及制作，產品概念快速模型制作，安規及EMI快速認證，產品成本改進研究，專項自動化生產設計，JIT準時化生產，以及全面物流安排。

我們歡迎客戶查詢，請發電郵到
marketing@helms-man.com 或 enquiry@helms-man.com
或致電HK 852-23420123
或瀏覽本公司網頁 www.helms-man.com 謝謝



DEPARTMENTS & DIVISIONS



Assembly Lines
裝配車間



RoHS Scanning
來料控制



R & D
研究開發



ATE Test
自動測試



Tooling
模具五金



Green Soldering Lines
無鉛車間



Burn in Test
老化測試



Part of QC Lab
質控中心



Plastic Moulding
注塑車間

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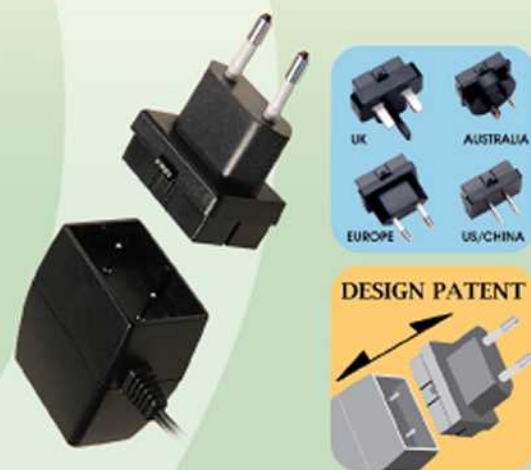
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WALL-MOUNTED C-SERIES

Universal Switching Adaptors
with Interchangeable AC Plugs (up to 8W)



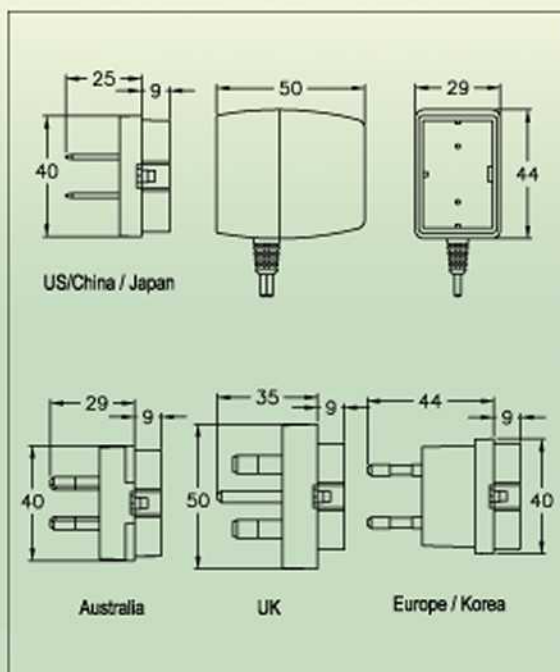
MODEL RANGE

INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC5V-24V
OUTPUT CURRENT : 100mA-1500mA
OUTPUT POWER : 8.0W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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WALL-MOUNTED K-SERIES (USB INLET)

Universal Switching Adaptors
with Interchangeable AC Plugs (up to 5W)



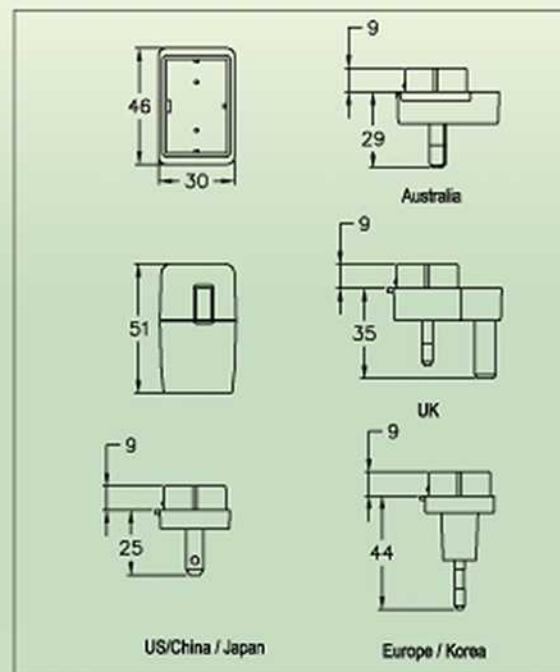
MODEL RANGE

INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC3V-18V
OUTPUT CURRENT : 100mA-1000mA
OUTPUT POWER : 5.0W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

HELMS-MAN TRANSFORMERS



WALL-MOUNTED C-SERIES

Universal Switching Adaptors
with Fixed AC Plugs (up to 8W)



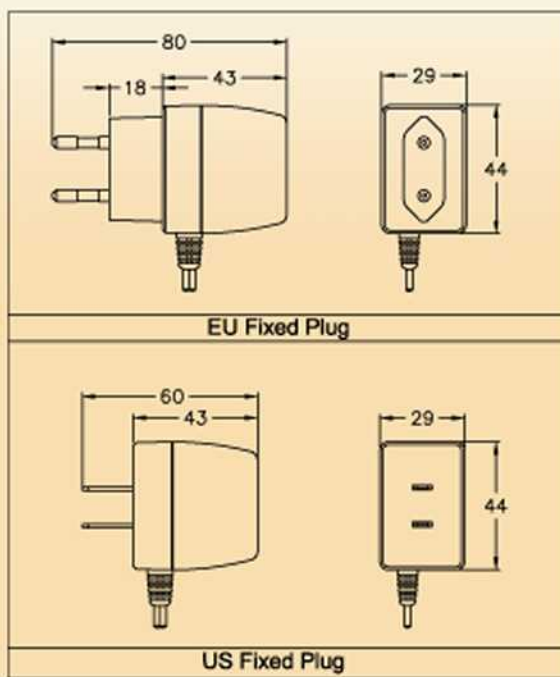
MODEL RANGE

INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC5V-24V
OUTPUT CURRENT : 100mA-1500mA
OUTPUT POWER : 8.0W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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WALL-MOUNTED K-SERIES (USB INLET)

Universal Switching Adaptors
with Fixed AC Plugs (up to 5W)



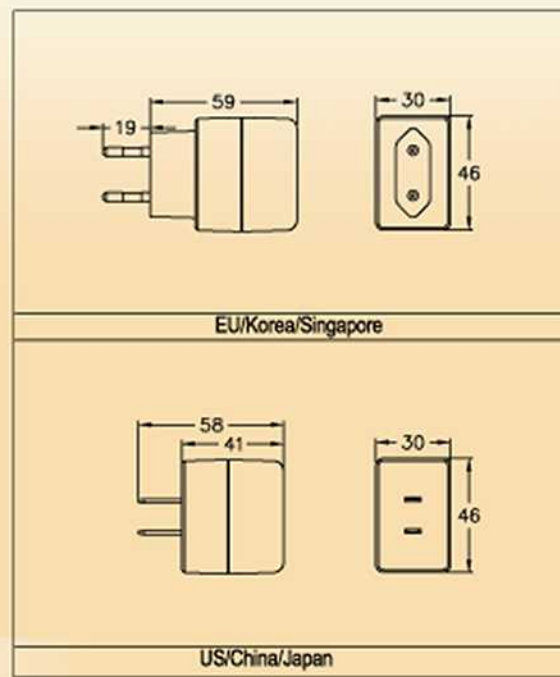
MODEL RANGE

INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC3V-18V
OUTPUT CURRENT : 100mA-1000mA
OUTPUT POWER : 5.0W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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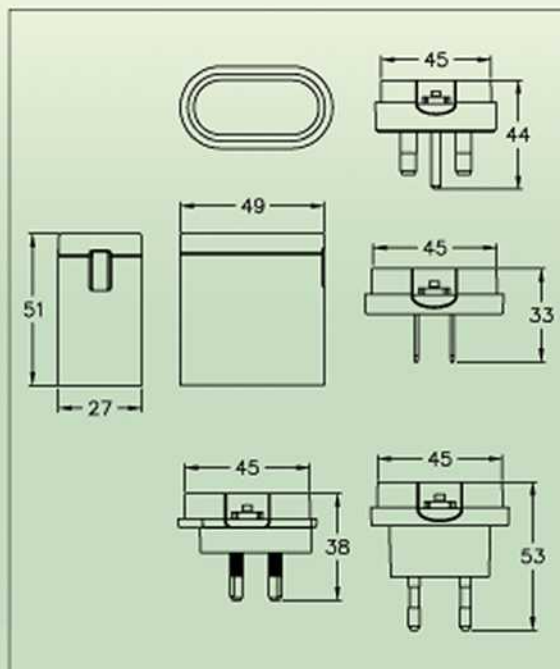


COMPACT G-SERIES WITH USB INLET

Switching Adaptors
with Interchangeable AC Plugs (up to 7.5W)



SERIES POWER RANGE	CERTIFIED STANDARDS		
INPUT VOLTAGE : AC100V-240V	UL1310	UL60950	UL60065
OUTPUT VOLTAGE : DC5.0V	UL697	UL60601	UL8750
OUTPUT CURRENT : 100mA - 1500mA	IEC61558	IEC60950	IEC60065
OUTPUT POWER : 7.5W Max	IEC61347	IEC60335	IEC60601

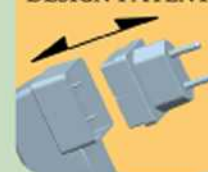


WALL-MOUNTED F-SERIES

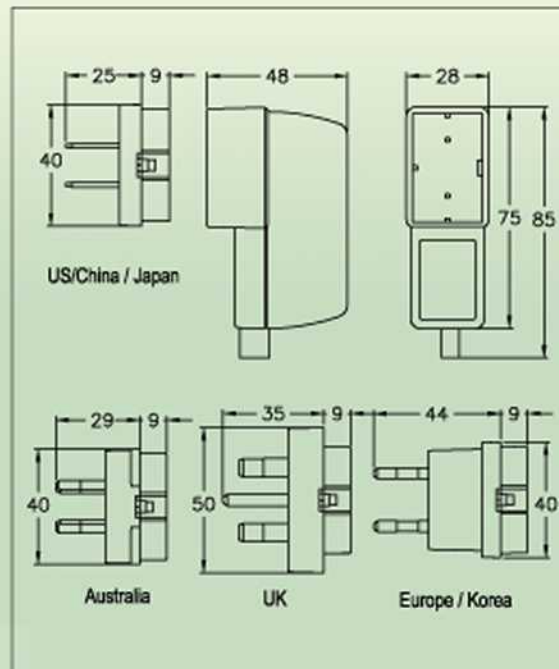
Universal Switching Adaptors
with Interchangeable AC Plugs (up to 15W)



DESIGN PATENT



MODEL RANGE	CERTIFIED STANDARDS		
INPUT VOLTAGE : AC100V-240V	UL1310	UL60950	UL60065
OUTPUT VOLTAGE : DC3V-48V	UL697	UL60601	UL8750
OUTPUT CURRENT : 10mA-3000mA	IEC61558	IEC60950	IEC60065
OUTPUT POWER : 15W Max	IEC61347	IEC60335	IEC60601



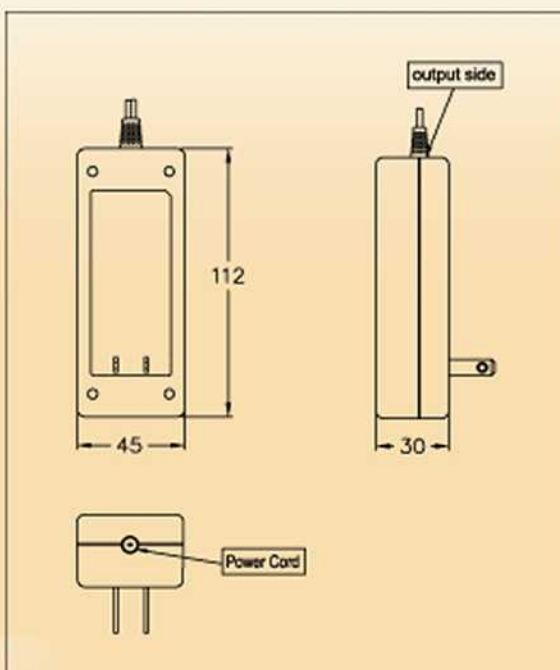
WALL-MOUNTED N-SERIES

Universal Switching Adaptors
with Fixed US Plug (up to 50W)



SERIES POWER RANGE	CERTIFIED STANDARDS		
INPUT VOLTAGE : AC100V-240V	UL1310	UL60950	UL60065
OUTPUT VOLTAGE : DC4.5V-48V	UL697	UL60601	UL8750
OUTPUT CURRENT : 100mA-5000mA	IEC61558	IEC60950	IEC60065
OUTPUT POWER : 50W Max	IEC61347	IEC60335	IEC60601

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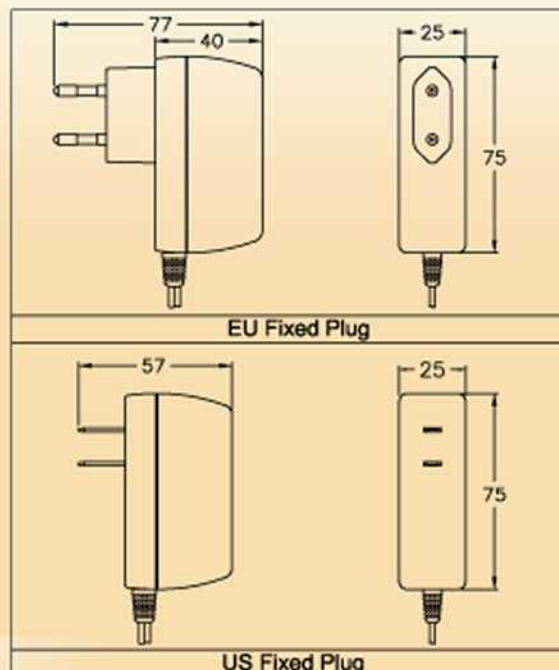
WALL-MOUNTED F-SERIES

Universal Switching Adaptors
with Fixed AC Plugs (up to 15W)



MODEL RANGE	CERTIFIED STANDARDS		
INPUT VOLTAGE : AC100V-240V	UL1310	UL60950	UL60065
OUTPUT VOLTAGE : DC3V-48V	UL697	UL60601	UL8750
OUTPUT CURRENT : 10mA-3000mA	IEC61558	IEC60950	IEC60065
OUTPUT POWER : 15W Max	IEC61347	IEC60335	IEC60601

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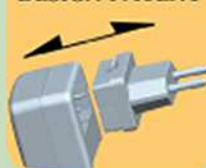


WALL-MOUNTED X-SERIES

Universal Switching Adaptors
with Interchangeable AC Plugs (up to 6W)



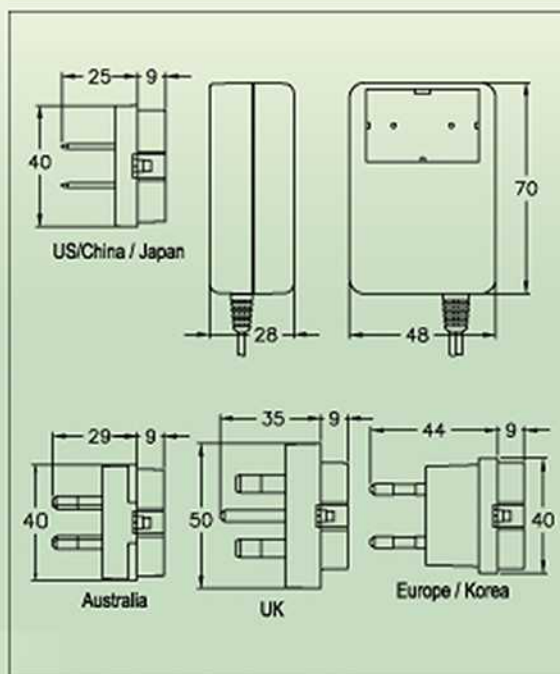
DESIGN PATENT



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC3V-6V
OUTPUT CURRENT : 10mA-2000mA
OUTPUT POWER : 6.0W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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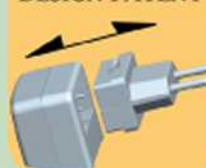


WALL-MOUNTED E-SERIES

Universal Switching Adaptors
with Interchangeable AC Plugs (up to 24W)



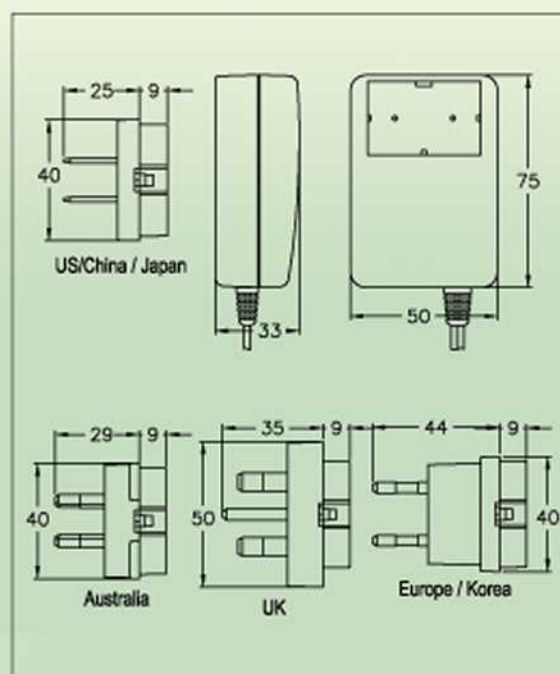
DESIGN PATENT



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC5V - 36V
OUTPUT CURRENT : 10mA-3000mA
OUTPUT POWER : 24W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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WALL-MOUNTED X-SERIES

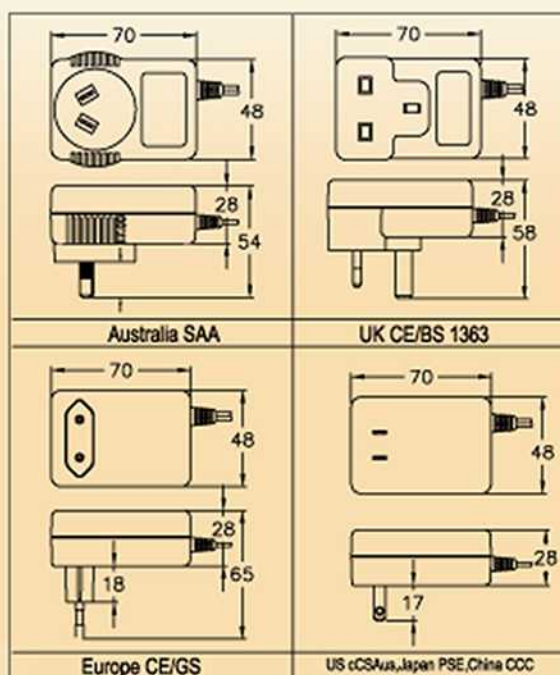
Universal Switching Adaptors
with Fixed AC Plugs (up to 6W)



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC3V-6V
OUTPUT CURRENT : 10mA-2000mA
OUTPUT POWER : 6.0W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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WALL-MOUNTED E-SERIES

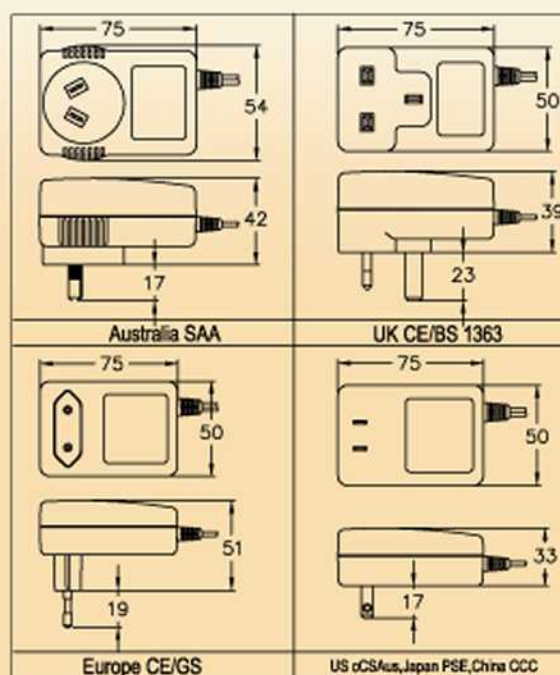
Universal Switching Adaptors
with Fixed AC Plugs (up to 24W)



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC5V - 36V
OUTPUT CURRENT : 10mA-3000mA
OUTPUT POWER : 24W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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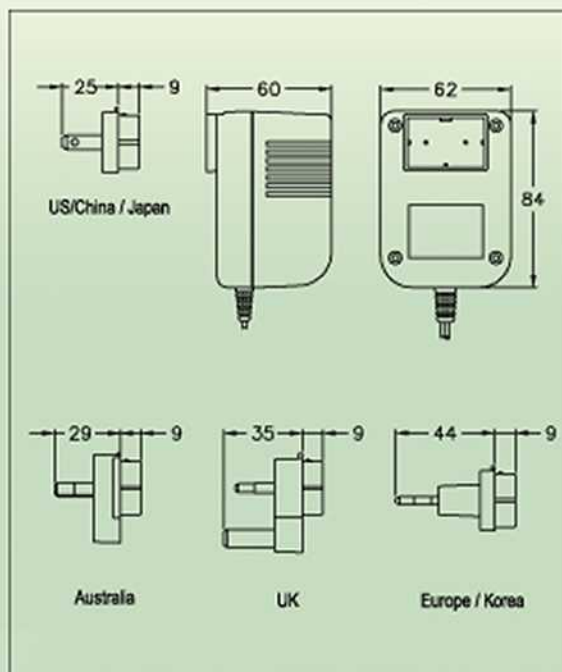
WALL-MOUNTED SWITCHING (W-SERIES)



Universal Switching Adaptors with Interchangeable AC Plugs (up to 42W)



DESIGN PATENT



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC4.5V - 36V
OUTPUT CURRENT : 100mA - 4100mA
OUTPUT POWER : 42W Max

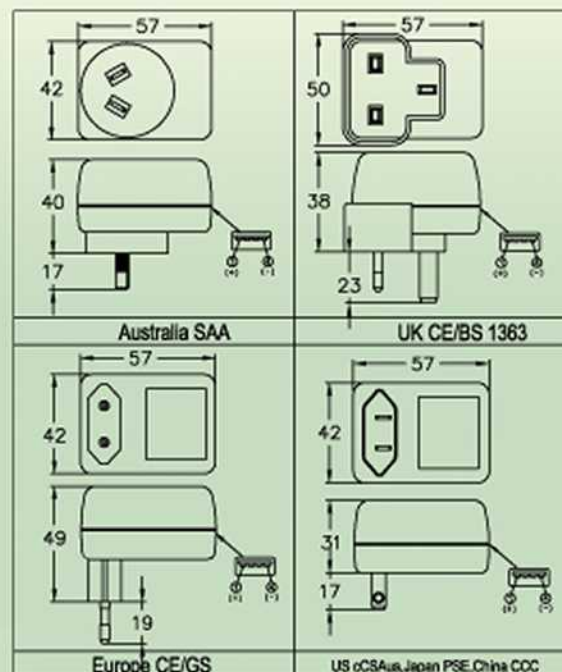
CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



WALL-MOUNTED H-SERIES (USB INLET)



Universal Switching Adaptors with Fixed AC Plugs (up to 8W)



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC5V - 24V
OUTPUT CURRENT : 100mA-1500mA
OUTPUT POWER : 8.0W Max

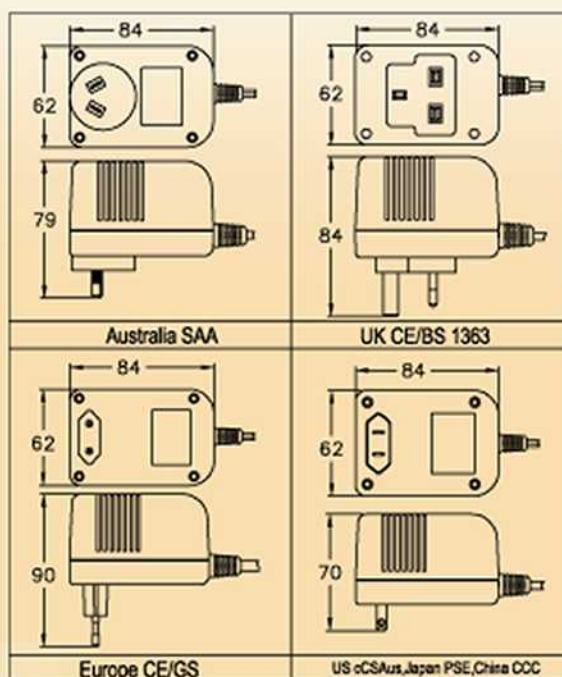
CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



WALL-MOUNTED SWITCHING (W-SERIES)

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Universal Switching Adaptors with Fixed AC Plugs (up to 42W)



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC4.5V - 36V
OUTPUT CURRENT : 100mA - 4100mA
OUTPUT POWER : 42W Max

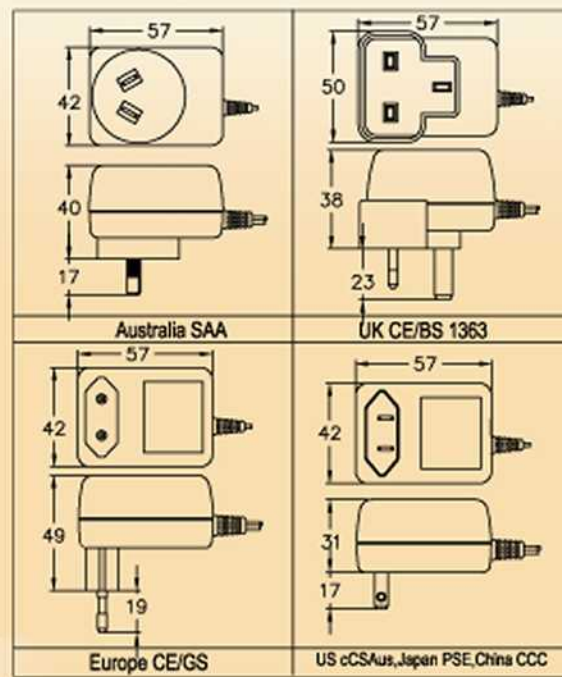
CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



WALL-MOUNTED H-SERIES (OUTPUT CORD)

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Universal Switching Adaptors with Fixed AC Plugs (up to 8W)



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC5V - 24V
OUTPUT CURRENT : 100mA-1500mA
OUTPUT POWER : 8.0W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



DESK-TOP M-SERIES

Universal Switching Adaptors with Plug-Changeable Cords (up to 69W)

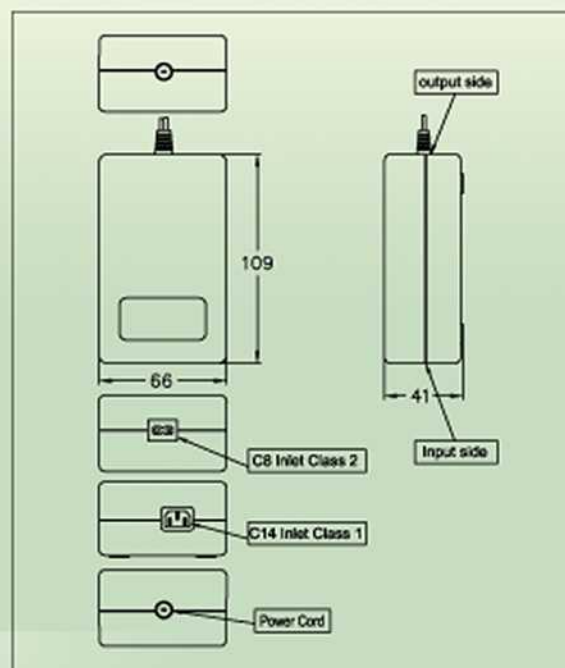


MODEL RANGE

INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC6V-48V
OUTPUT CURRENT : 100mA-5000mA
OUTPUT POWER : 69W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



DESKTOP L-SERIES

Switching Adaptors with Plug-Changeable Cords (up to 108W)

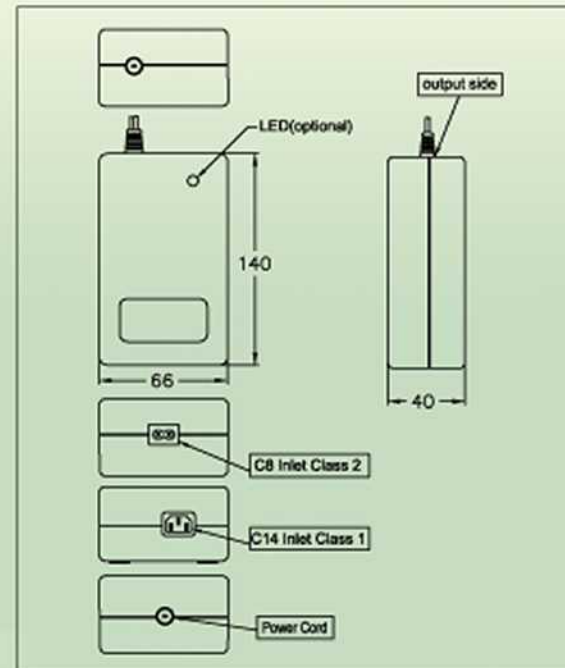


SERIES POWER RANGE

INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC9V-48V
OUTPUT CURRENT : 100mA - 8000mA
OUTPUT POWER : 108W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



DESKTOP N-SERIES

Universal Switching Adaptors with Plug-Changeable Cords (up to 50W)



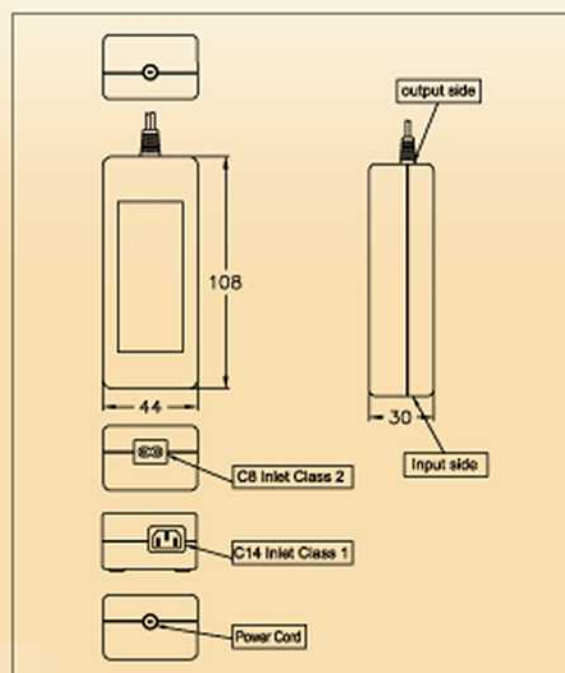
MODEL RANGE

INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC4.5V-48V
OUTPUT CURRENT : 100mA-5000mA
OUTPUT POWER : 50W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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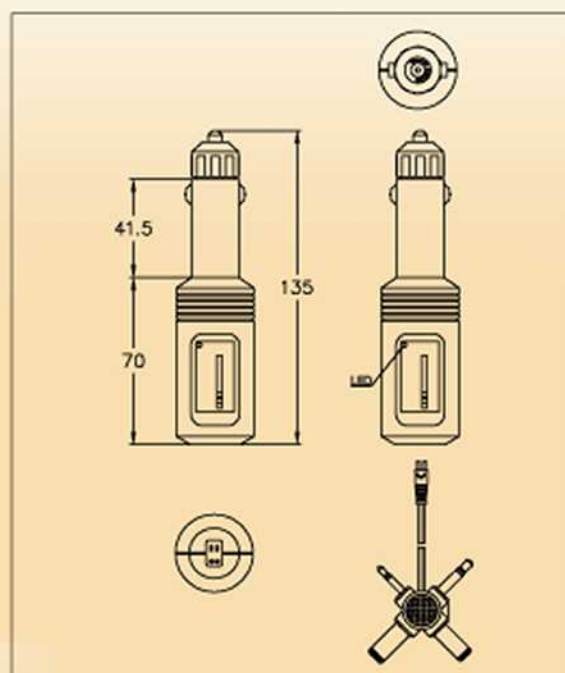


CAR PLUG DC-DC ADAPTORS



Model No	Input	Output Voltage	Output Current	Approval
MTC-500	12VDC	DC 1.5V, 3V, 4.5V, 5V, 7.5V, 9V, 12V	500mA	e-mark
MTC-1000			1000mA	e-mark
MTC-1200			1200mA	e-mark
MTC-85V1000	11VDC	DC 9V	1000mA	e-mark
MTC-85V1500			1500mA	e-mark
MTC-85V2000			2000mA	e-mark

www.helms-man.com

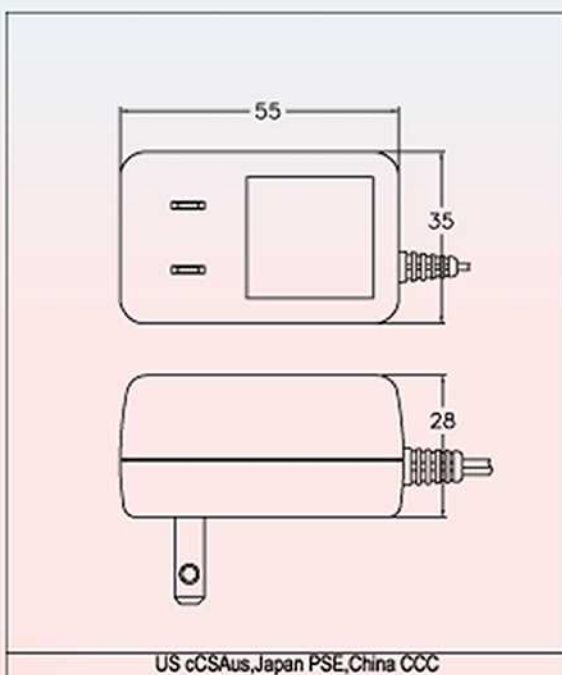


WALL-MOUNTED LINEAR (EI 2808) SERIES

Adaptors with Fixed AC Plugs (up to 2.05W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	AC1.7V-15.6V DC1.5V-18V	AC2.05VA Max DC1.8VA Max
	UL/CSA 60065	X	X
	UL/CSA 1310	AC1.7V-15.6V DC1.5V-18V	AC2.05VA Max DC1.8VA Max
AC230-240V 50Hz	EN/AS 60950	X	X
	EN/AS 60065	X	X
	EN/AS 61558	X	X



US cCSAus, Japan PSE, China CCC

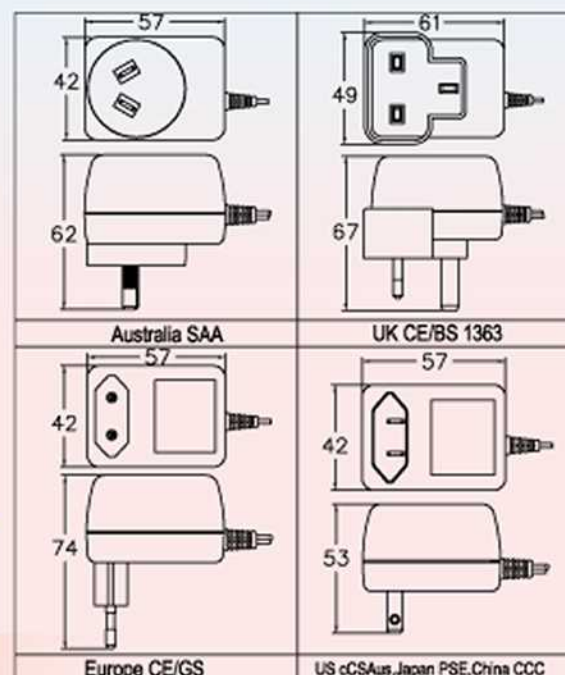


WALL-MOUNTED LINEAR (EI 3514) SERIES

Adaptors with Fixed AC Plugs (up to 5.2W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	AC1.5V - 24V DC1.5V - 44V	AC5.16VA Max DC3.72VA Max
	UL/CSA 60065	X	X
	UL/CSA 1310	AC1.5V - 24V DC1.5V - 44V	AC5.16VA Max DC3.72VA Max
AC230-240V 50Hz	EN/AS 60950	AC3V - 22V DC3V - 48V	AC4.8VA Max DC3.71VA Max
	EN/AS 60065	AC3V - 18V DC3V - 48V	AC4.8VA Max DC3.71VA Max
	EN/AS 61558	AC3V - 36V DC3V - 48V	AC4.83VA Max DC3.71VA Max



US cCSAus, Japan PSE, China CCC



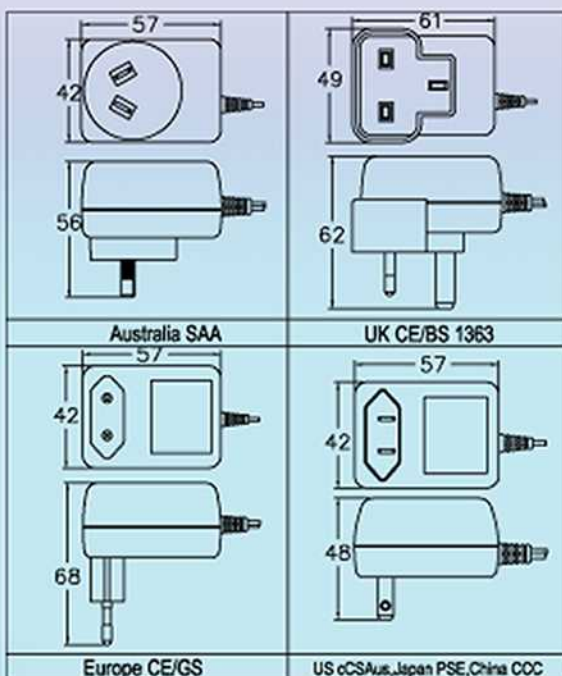
WALL-MOUNTED LINEAR (EI 3508) SERIES

Adaptors with Fixed AC Plugs (up to 2W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	AC2.3V - 20V DC1.5V - 24V	AC2.0VA Max DC1.5VA Max
	UL/CSA 60065	X	X
	UL/CSA 1310	AC2.3V - 20V DC1.5V - 24V	AC2.0VA Max DC1.5VA Max
AC230-240V 50Hz	EN/AS 60950	AC3V - 24V DC3V - 24V	AC1.8VA Max DC1.04VA Max
	EN/AS 60065	AC3V - 20V DC3V - 24V	AC1.8VA Max DC1.04VA Max
	EN/AS 61558	AC3V - 24V DC3V - 24V	AC1.8VA Max DC1.04VA Max

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US cCSAus, Japan PSE, China CCC



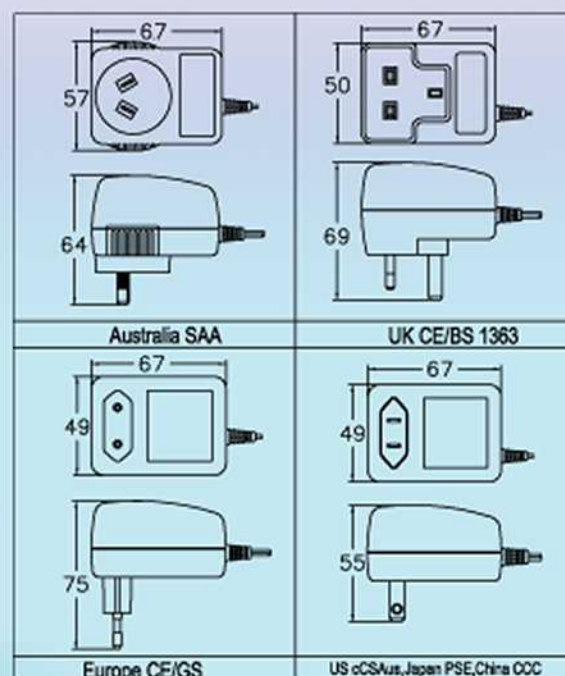
WALL-MOUNTED LINEAR (EI 4114) SERIES

Adaptors with Fixed AC Plugs (up to 7.0W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	X	X
	UL/CSA 60065	X	X
	UL/CSA 1310	AC1.2V	AC5.04VA Max
AC230-240V 50Hz	EN/AS 60950	AC3V - 22V DC3V - 48V	AC7.02VA Max DC5.26VA Max
	EN/AS 60065	AC3V - 18V DC3V - 48V	AC5.72VA Max DC5.26VA Max
	EN/AS 61558	AC3V - 36V DC3V - 48V	AC7.02VA Max DC5.26VA Max

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US cCSAus, Japan PSE, China CCC

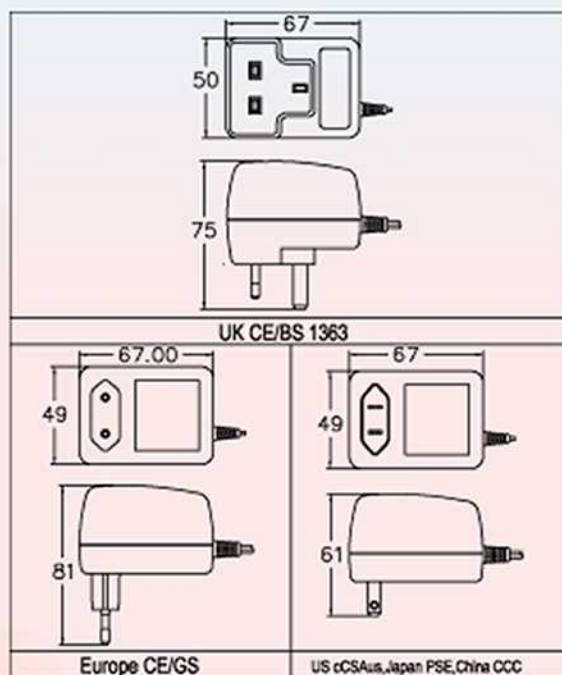


WALL-MOUNTED LINEAR (EI 4117) SERIES

Adaptors with Fixed AC Plugs (up to 8.4W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	X	X
	UL/CSA 60065	X	X
	UL/CSA 1310	X	X
AC230-240V 50Hz	EN/AS 60950	AC3V - 22V DC3V - 48V	AC8.4VA Max DC6.12VA Max
	EN/AS 60065	AC3V - 18V DC3V - 48V	AC8.4VA Max DC6.12VA Max
	EN/AS 61558	AC3V - 36V DC3V - 48V	AC8.4VA Max DC6.12VA Max

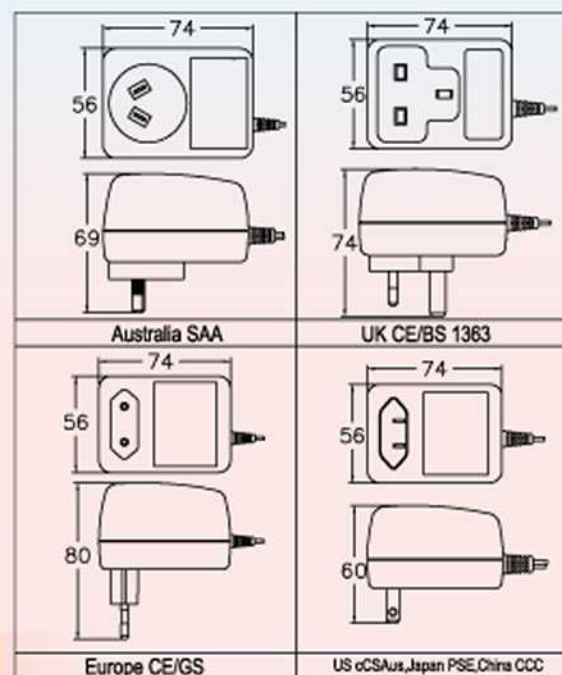


WALL-MOUNTED LINEAR (EI 4818) SERIES

Adaptors with Fixed AC Plugs (up to 15W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	AC2.5V - 24V DC1.5V - 44V	AC12VA Max DC10.62VA Max
	UL/CSA 60065	X	X
	UL/CSA 1310	AC2.5V - 24V DC1.5V - 44V	AC12VA Max DC10.62VA Max
AC230-240V 50Hz	EN/AS 60950	AC3V - 24V DC3V - 48V	AC14.72VA Max DC11.25VA Max
	EN/AS 60065	AC3V - 18V DC3V - 48V	AC14.72VA Max DC11.25VA Max
	EN/AS 61558	AC3V - 36V DC3V - 48V	AC15.04VA Max DC11.25VA Max



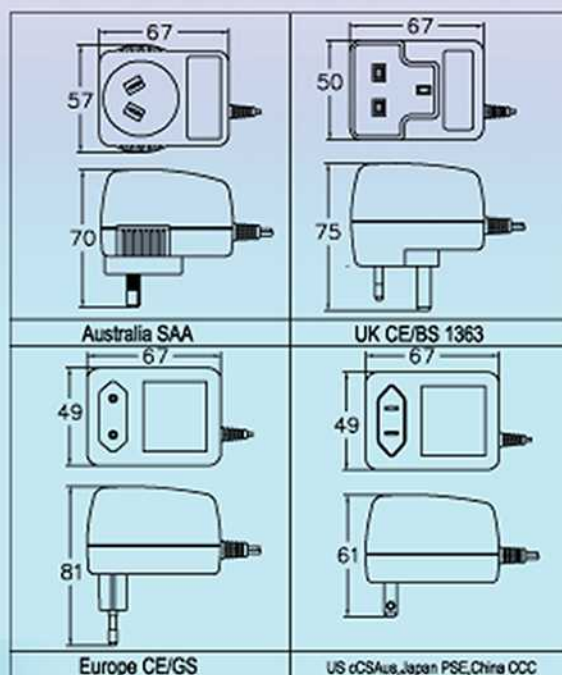
WALL-MOUNTED LINEAR (EI 4120) SERIES

Adaptors with Fixed AC Plugs (up to 11.7W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	AC1.5V - 21V DC1.5V - 44V	AC11.7VA Max DC8VA Max
	UL/CSA 60065	X	X
	UL/CSA 1310	AC1.5V - 24V DC1.5V - 48V	AC11.7VA Max DC8VA Max
AC230-240V 50Hz	EN/AS 60950	AC3V - 24V DC3V - 48V	AC10.2VA Max DC7.22VA Max
	EN/AS 60065	AC3V - 18V DC3V - 48V	AC10.2VA Max DC7.22VA Max
	EN/AS 61558	AC3V - 36V DC3V - 48V	AC10.2VA Max DC7.22VA Max

www.helms-man.com



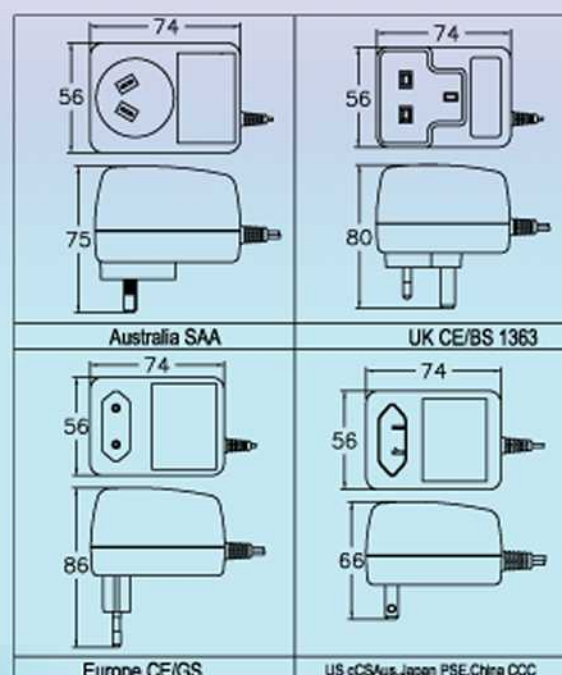
WALL-MOUNTED LINEAR (EI 4824) SERIES

Adaptors with Fixed AC Plugs (up to 21W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	AC2.7V - 24V DC1.5V - 44V	AC20.88VA Max DC15VA Max
	UL/CSA 60065	X	X
	UL/CSA 1310	AC2.7V - 24V DC1.5V - 44V	AC20.88VA Max DC15VA Max
AC230-240V 50Hz	EN/AS 60950	AC3V - 24V DC3V - 48V	AC18.13VA Max DC14.21VA Max
	EN/AS 60065	AC3V - 18V DC3V - 48V	AC18.13VA Max DC14.21VA Max
	EN/AS 61558	AC3V - 36V DC3V - 48V	AC18.13VA Max DC14.21VA Max

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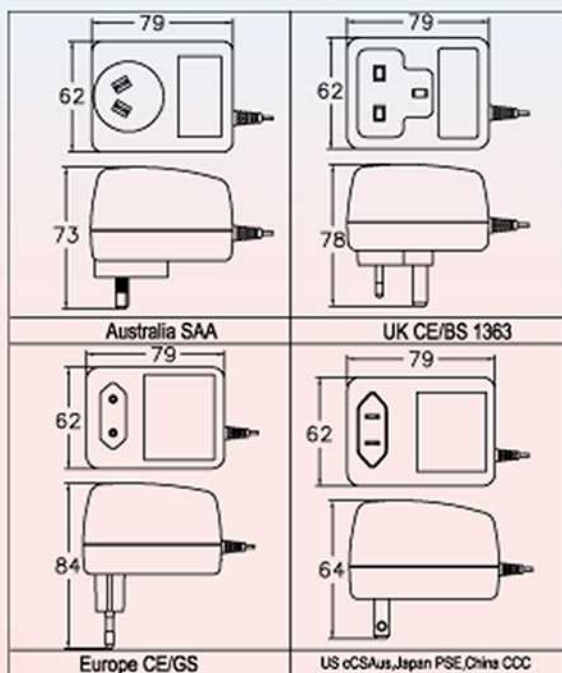
WALL-MOUNTED LINEAR (EI 5420) SERIES

Adaptors with Fixed AC Plugs (up to 24W)



Input Voltage	Certified Standards	Output Voltage	Output Power
AC120V 60Hz	UL/CSA 60950	AC2.5V - 24V DC1.5V - 48V	AC20.2VA Max DC15VA Max
	UL/CSA 60065	X X	X X
	UL/CSA 1310	AC2.5V - 24V DC1.5V - 48V	AC20.2VA Max DC15VA Max
AC230-240V 50Hz	EN/AS 60950	AC3V - 24V DC3V - 48V	AC21.75VA Max DC16.17VA Max
	EN/AS 60065	AC3V - 18V DC3V - 48V	AC21.75VA Max DC16.17VA Max
	EN/AS 61558	AC3V - 36V DC3V - 48V	AC24.19VA Max DC16.17VA Max

HELMS-MAN TRANSFORMERS



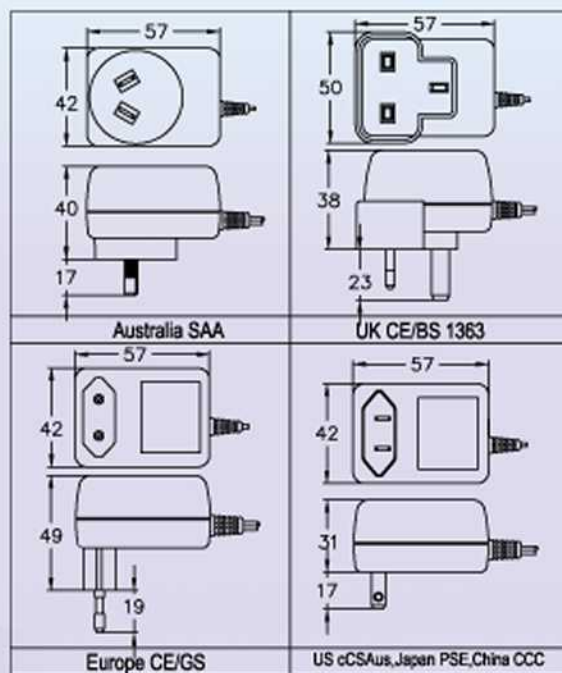
WALL-MOUNTED SWITCHING (H-SERIES)

Adaptors with fixed AC Plugs for Electronic Toys and Games (up to 8W)



MODEL RANGE	CERTIFIED STANDARDS
INPUT VOLTAGE : AC100V-120V / 220V-240V	UL1310 UL60950 UL60065
OUTPUT VOLTAGE : DC3V-24V	UL697 UL60601 UL8750
OUTPUT CURRENT : DC100mA-2000mA	IEC61558 IEC60950 IEC60065
OUTPUT POWER : 8.0W Max	IEC61347 IEC60335 IEC60601

HELMS-MAN TRANSFORMERS

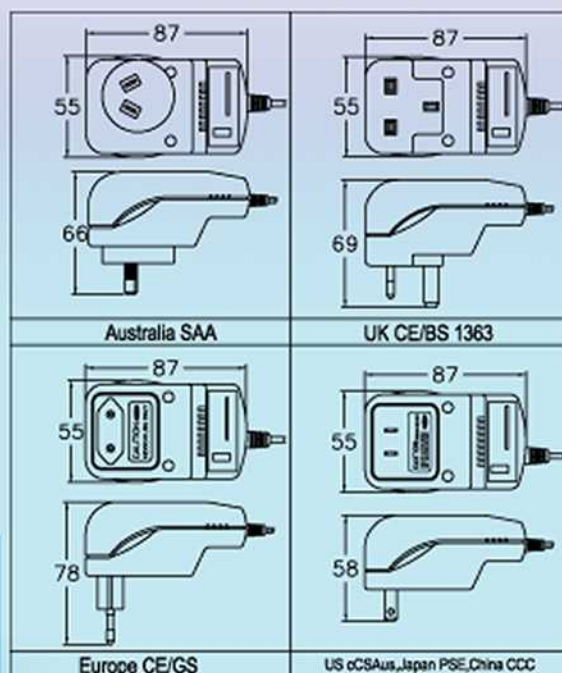


WALL-MOUNTED LINEAR (EI 41) SERIES

Multi-Voltage Adaptors with Fixed AC Plugs (up to 6W)



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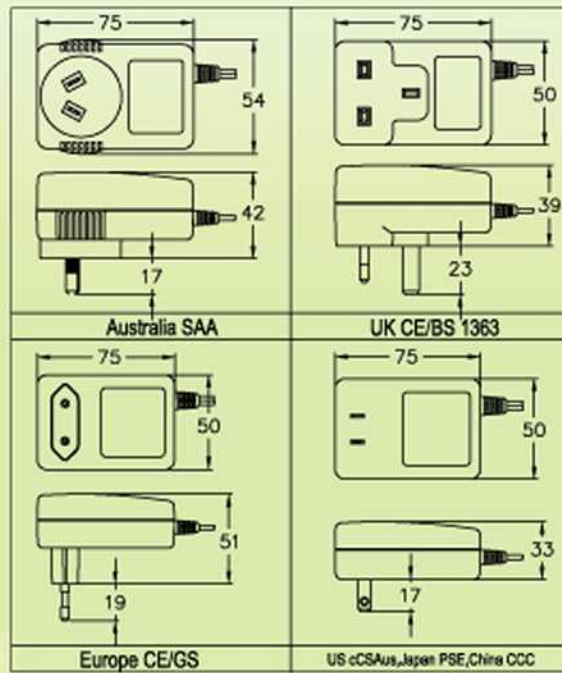
WALL-MOUNTED SWITCHING (E-SERIES)

Adaptors with fixed AC Plugs for Electronic Toys and Games (up to 18W)



MODEL RANGE	CERTIFIED STANDARDS
INPUT VOLTAGE : AC100V / 120V / 230V/240V	UL1310 UL60950 UL60065
OUTPUT VOLTAGE : DC3V-30V	UL697 UL60601 UL8750
OUTPUT CURRENT : DC100mA-3010mA	IEC61558 IEC60950 IEC60065
OUTPUT POWER : 18W Max	IEC61347 IEC60335 IEC60601

www.helms-man.com

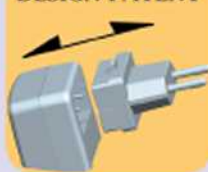


WALL-MOUNTED SWITCHING (W-SERIES)

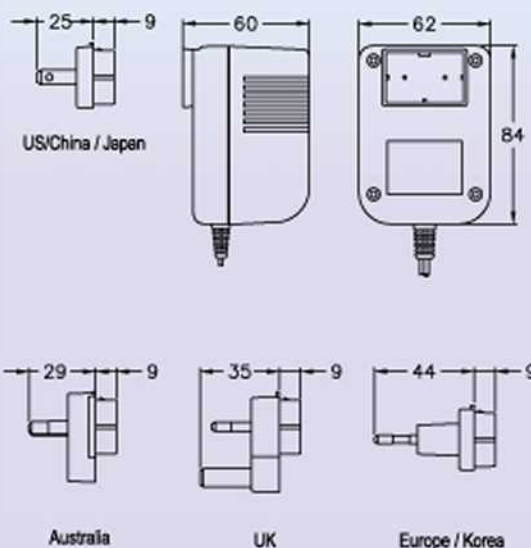
Adaptors with Interchangeable AC Plugs
for Electronic Toys and Games (up to 40W)



DESIGN PATENT



HELMS-MAN TRANSFORMERS



MODEL RANGE
INPUT VOLTAGE : AC100V-120V / 220V-240V
OUTPUT VOLTAGE : DC4.5V - 36V
OUTPUT CURRENT : DC100mA - 4100mA
OUTPUT POWER : 40W Max

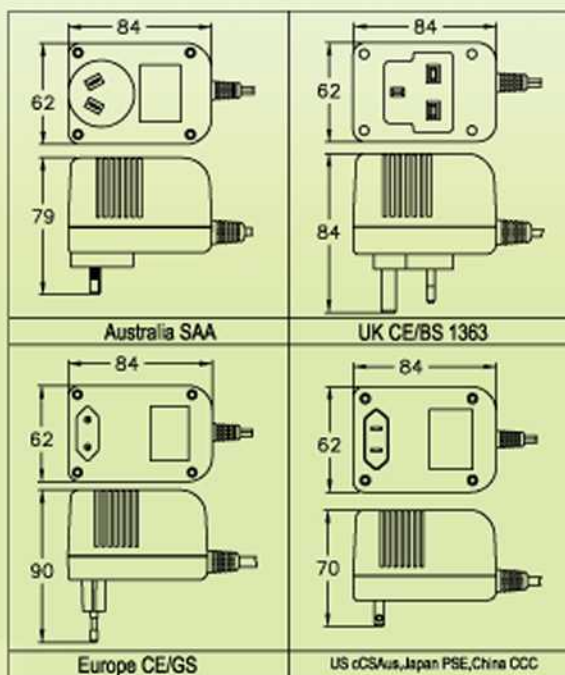
CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

WALL-MOUNTED SWITCHING (W-SERIES)

Adaptors with Fixed AC Plugs
for Electronic Toys and Games (up to 40W)



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MODEL RANGE
INPUT VOLTAGE : AC100V-120V / 220V-240V
OUTPUT VOLTAGE : DC4.5V - 36V
OUTPUT CURRENT : DC100mA - 4100mA
OUTPUT POWER : 40W Max

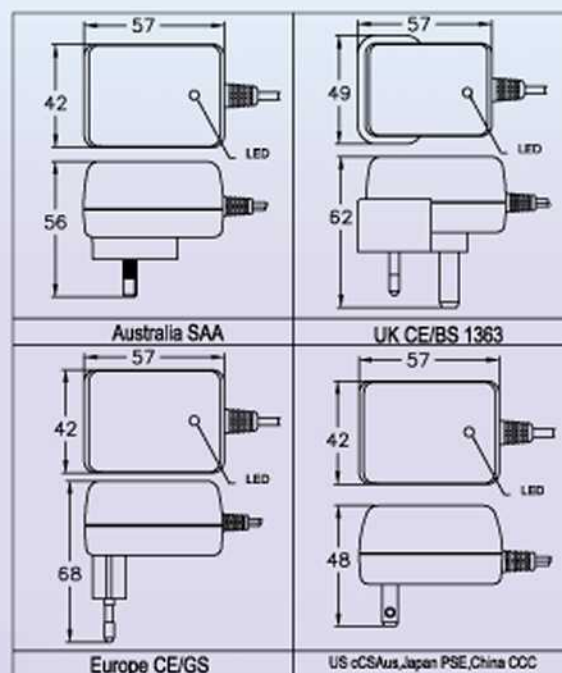
CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

WALL-MOUNTED SWITCHING OR LINEAR CHARGER (CORD TYPE) SERIES

for Electronic Toys and Games (up to 3.6W)



HELMS-MAN TRANSFORMERS



SERIES RANGE
INPUT VOLTAGE : AC 100-240V
OUTPUT VOLTAGE : DC 6V / 9V / 12V
OUTPUT CURRENT : DC 200mA - 300mA
BATTERY PACK : 4.8V / 7.2V / 9.6V, up to 1300mAh

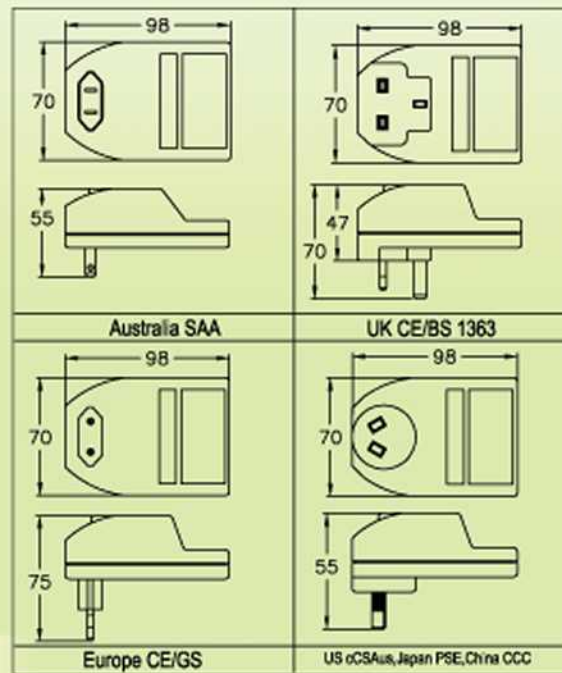
CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

WALL-MOUNTED SWITCHING OR LINEAR CHARGER (BATTERY HOLDER) SERIES

for Electronic Toys and Games (up to 3.6W)



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SERIES RANGE
INPUT VOLTAGE : AC 100-240V
OUTPUT VOLTAGE : DC 6V / 9V / 12V
OUTPUT CURRENT : DC 200mA - 300mA
BATTERY PACK : 4.8V / 7.2V / 9.6V, up to 1300mAh

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

WALL-MOUNTED LINEAR (E135) SERIES

Adaptors with Fixed US Plugs
for Electronic Toys and Games (up to 2.78W)

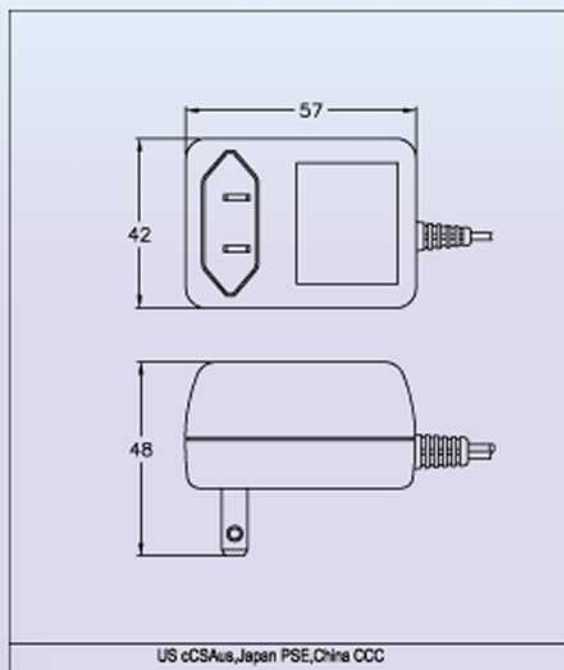


SERIES RANGE

INPUT VOLTAGE : AC 120V
OUTPUT VOLTAGE : DC3.0-12V
OUTPUT CURRENT : DC100mA-400mA
OUTPUT POWER : 2.78W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



US cCSAus, Japan PSE, China CCC



WALL-MOUNTED LINEAR (E148) SERIES

Adaptors with Fixed US Plugs
for Electronic Toys and Games (up to 12W)

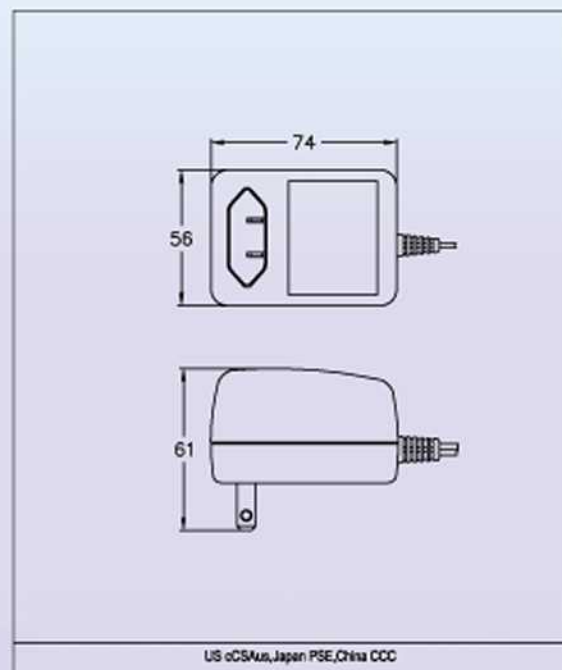


SERIES RANGE

INPUT VOLTAGE : AC120V
OUTPUT VOLTAGE : DC3.0-16.5V
OUTPUT CURRENT : DC400mA-1000mA
OUTPUT POWER : 12W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



US cCSAus, Japan PSE, China CCC

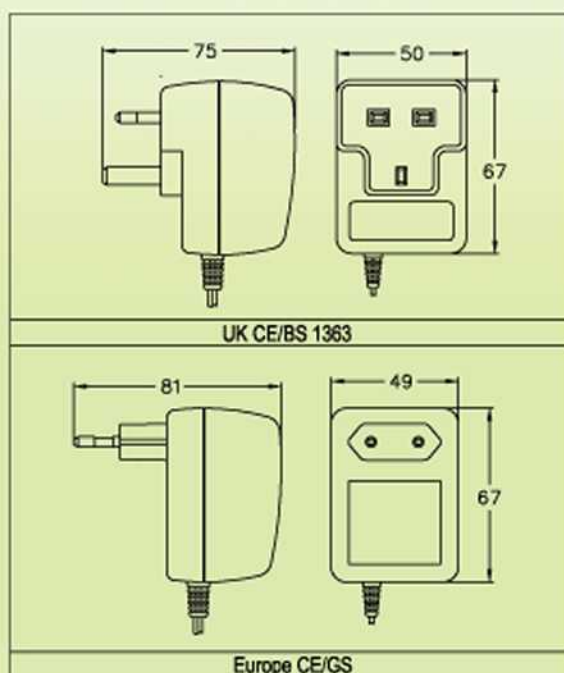


WALL-MOUNTED LINEAR (E141) SERIES

Adaptors with Fixed AC Plugs
for Electronic Toys and Games (up to 4.4W)



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UK CE/BS 1363

Europe CE/GS

SERIES RANGE

INPUT VOLTAGE : AC230V
OUTPUT VOLTAGE : DC3.0-20V
OUTPUT CURRENT : DC30mA-600mA
OUTPUT POWER : 4.4W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

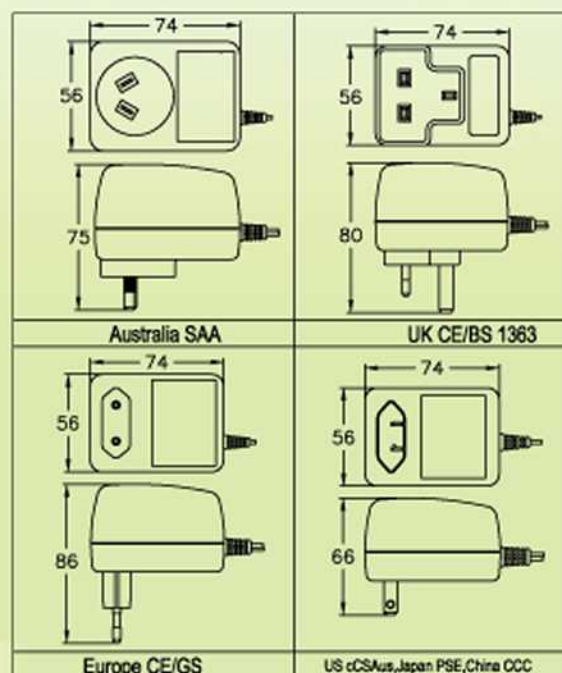


WALL-MOUNTED LINEAR (E148) SERIES

Adaptors with Fixed AC Plugs
for Electronic Toys and Games (up to 8.4W)



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Australia SAA

UK CE/BS 1363

Europe CE/GS

US cCSAus, Japan PSE, China CCC

SERIES RANGE

INPUT VOLTAGE : AC230V-240V
OUTPUT VOLTAGE : AC9V - 14V
OUTPUT CURRENT : AC100mA - 600mA
OUTPUT POWER : 8.4W Max

CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



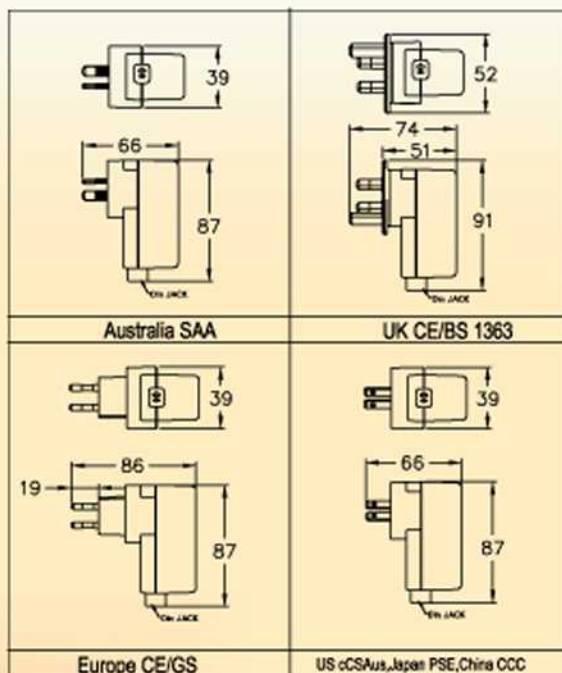
WALL-MOUNTED HXA60W-SERIES

Electronic Halogen Lighting Transformers
with Fixed AC Plugs (up to 60W)



MODEL RANGE
INPUT VOLTAGE : AC100V/ 120V/ 230V/ 240V
OUTPUT VOLTAGE : AC12V
OUTPUT CURRENT : 5000mA Max
OUTPUT POWER : 60W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



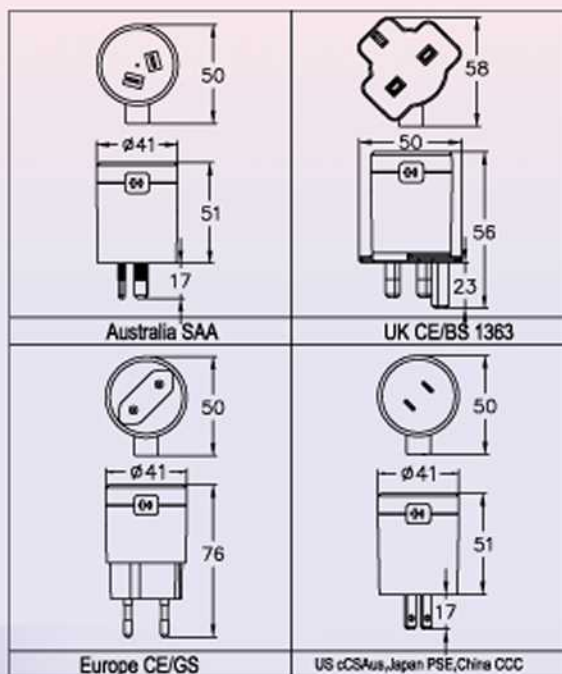
WALL-MOUNTED HXA20W-SERIES

Electronic Halogen Lighting Transformers
with Fixed AC Plugs (up to 20W)



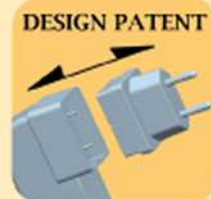
MODEL RANGE
INPUT VOLTAGE : AC100V/ 120V/ 230V/ 240V
OUTPUT VOLTAGE : AC12V
OUTPUT CURRENT : 1660mA Max
OUTPUT POWER : 20W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



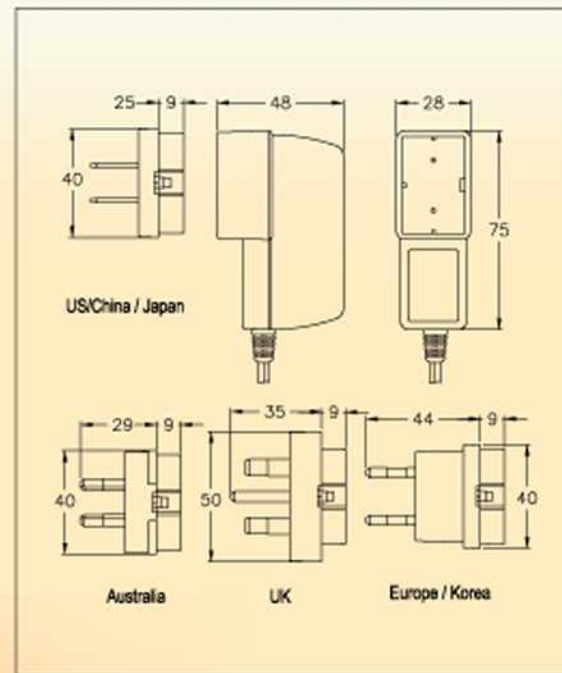
WALL-MOUNTED F-SERIES

Switching LED Drivers
with Interchangeable AC Plugs (up to 12W)



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC3V-24V
OUTPUT CURRENT : 10mA-2000mA
OUTPUT POWER : 12W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



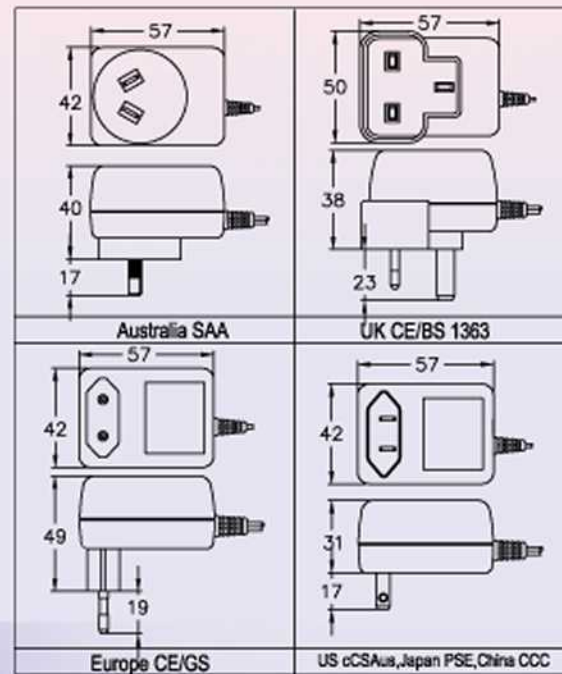
WALL-MOUNTED H-SERIES

Switching LED Drivers (up to 8W)
with Fixed AC Plugs



MODEL RANGE
INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC5V-24V
OUTPUT CURRENT : 100mA-1500mA
OUTPUT POWER : 8.0W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



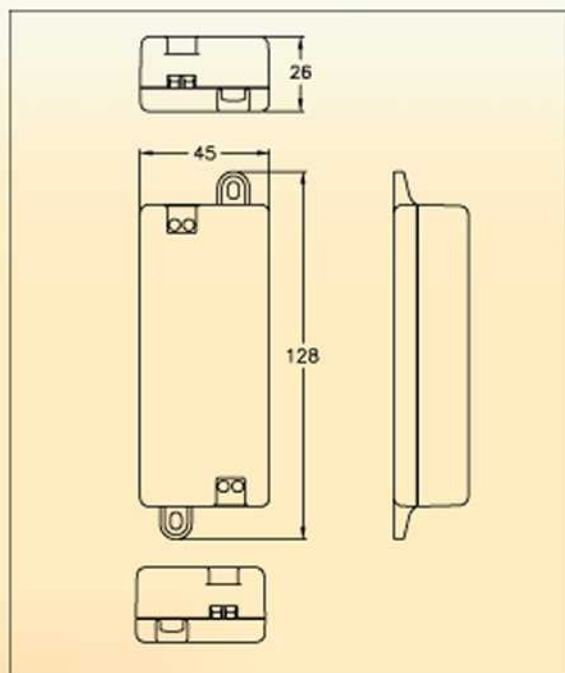
www.helms-man.com

www.helms-man.com

DIMMABLE LED DRIVERS (HED-SERIES)

HELMs-MAN TRANSFORMERS

CC Mode with PFC up to 25W
for LED Lamps and Fixtures



MODEL RANGE

INPUT VOLTAGE : AC100V-240V
OUTPUT VOLTAGE : DC15V-35V
OUTPUT CURRENT : 350mA-1400mA
OUTPUT POWER : 25W Max

CERTIFIED STANDARDS

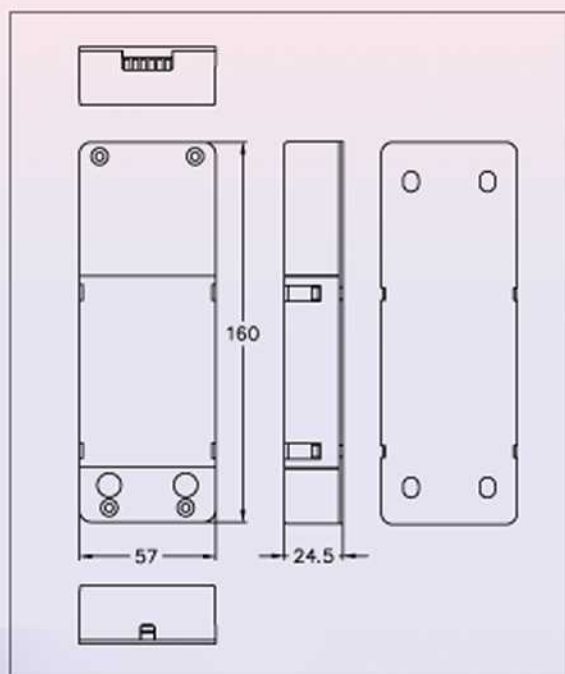
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



BUILT IN TYPE LIGHTING DRIVERS (HXB-SERIES)

www.helms-man.com

For AC 12V Halogen Lighting (or DC 12V LED
Lighting with Built-in-AC-DC Converter)



MODEL RANGE

INPUT VOLTAGE : AC100V/ 120V/ 230V/ 240V
OUTPUT VOLTAGE : AC12V
OUTPUT CURRENT : 5000mA Max
OUTPUT POWER : 60W Max

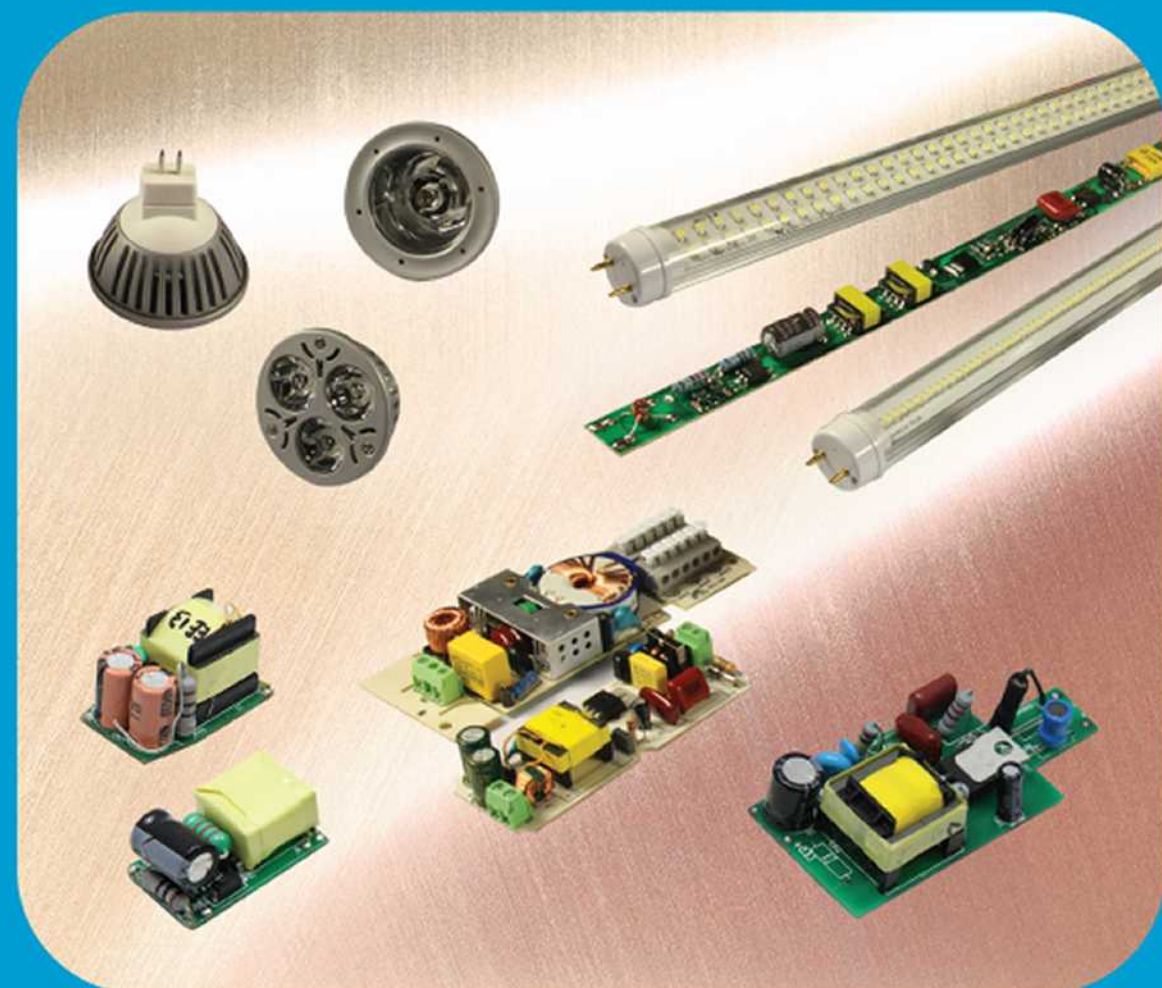
CERTIFIED STANDARDS

UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601



DIMMABLE & NON-DIMMABLE LED DRIVERS

1W to 60W for LED Fixtures and LED Bulbs or Tubes



DIMMABLE OR NON-DIMMABLE LED DRIVERS UP TO 60W

Wattage Range	Current Range	Voltage Range	CC Mode	CV Mode	Dimmable
1.0W - 4.0W	200mA - 400mA	3V - 12V	Y	Y	Y
3.0W - 8.0W	200mA - 700mA	3V - 14V	Y	Y	Y
6.0W - 15W	200mA - 1000mA	3V - 24V	Y	Y	Y
12W - 25W	200mA - 1500mA	3V - 36V	Y	Y	Y
40W - 60W	1000mA - 5000mA	12V - 48V	Y	Y	N



HELMs-MAN TRANSFORMERS

LOW VOLTAGE EXTERNAL CONTROLLER (HMF-SERIES) (up to 12W)

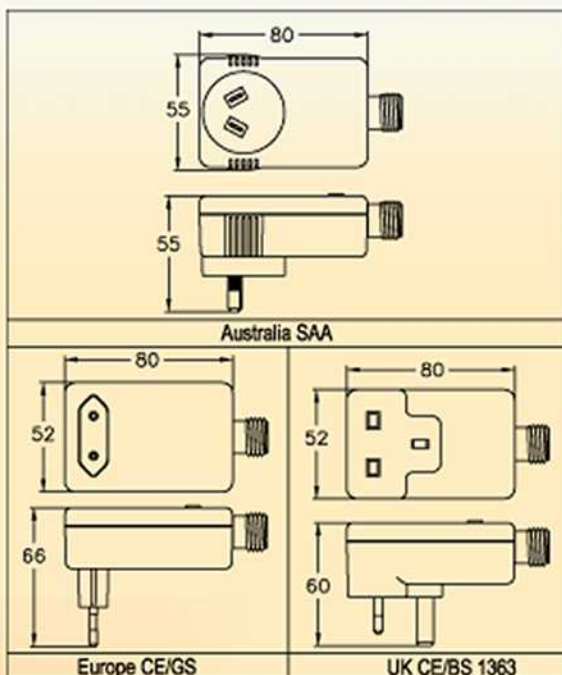
With Flashing Control for 8 Flashing Effects
For LED Deco Lighting or Christmas Chain Lights



MODEL RANGE
INPUT VOLTAGE : AC 220V-240V
OUTPUT VOLTAGE : AC24V - 36V
OUTPUT CURRENT : 500mA Max
OUTPUT POWER : 3W-12W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

HELMs-MAN TRANSFORMERS



LOW VOLTAGE EXTERNAL CONTROLLER (HSF-SERIES) (up to 6W)

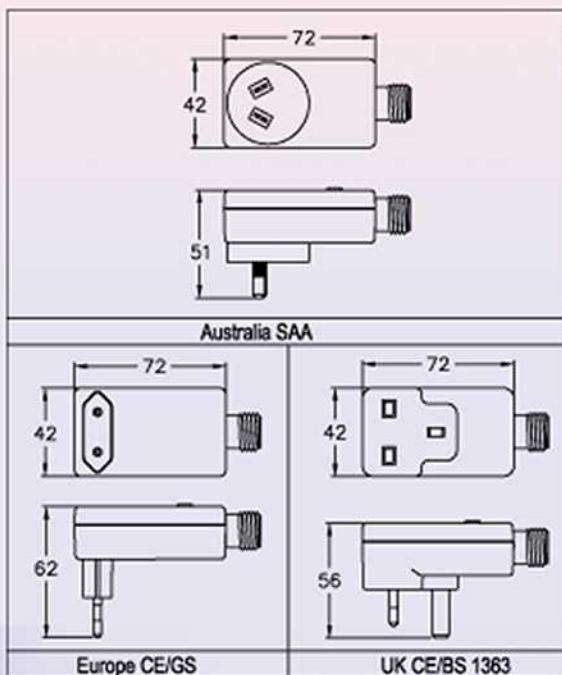
With Flashing Control for 8 Flashing Effects
For LED Deco Lighting or Christmas Chain Lights



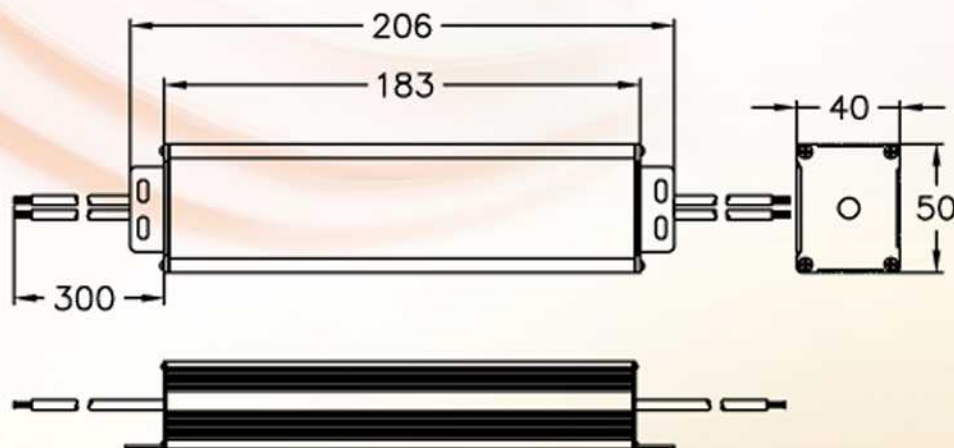
MODEL RANGE
INPUT VOLTAGE : AC220V-240V
OUTPUT VOLTAGE : AC24V-36V
OUTPUT CURRENT : 250mA Max
OUTPUT POWER : 3W-6W Max

CERTIFIED STANDARDS
UL1310 UL60950 UL60065
UL697 UL60601 UL8750
IEC61558 IEC60950 IEC60065
IEC61347 IEC60335 IEC60601

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HEW Series 60W Constant Current LED Drivers for Indoor or Outdoor Fixtures



SPECIFICATION

MODEL	HEW-12V	HEW-15V	HEW-20V	HEW-24V	HEW-30V	HEW-36V	HEW-42V	HEW-48V
OUTPUT								
Voltage	DC12V	DC15V	DC20V	DC24V	DC30V	DC36V	DC42V	DC48V
Current	5.0A	4.0A	3.0A	2.5A	2.0A	1.7A	1.45A	1.3A
Power	60W	60W	60W	60W	60W	60W	60W	60W
INPUT								
Voltage Range	AC 100 - 277V							
Frequency	47 - 63 Hz							
Efficiency	Over 85%							
PROTECTION								
Over-Current	Yes							
Short Circuit	Yes							
Over-Voltage	Yes							
WORKING ENVIRONMENT								
Ambient Temp	-20°C ~ +70°C (at 100% Load)							
Ambient Humidity	20 ~ 95% R/H non-condensing							
APPROBATION								
Safety Standards	IEC61347 / UL1310 / IP66							
EMI / EMS	EN55015 / EN61000 / EN50204 / EN55024 / EN61547							
RELIABILITY								
MTBF	50000 Hours minimum MIL-HDBK-217F (at 25°C)							
SIZE								
Dimension	183*45*40mm (L*W*H)							
Weight	0.55 Kg							



HELMs-MAN TRANSFORMERS

DESKTOP 4-CELL FAST CHARGER (for 4xAAA or 4xAA Cells)



DESKTOP 4-CELL FAST CHARGER SPECIFICATION

AC Input Voltage	輸入電壓	AC100V - 240V
AC Input Frequency	輸入頻率	47 - 63 Hz
Output Power	輸出功率	0 - 5 Watt Max
Operating Temperature	工作溫度	0 - 40 °C
Start Output Voltage	輸出電壓	2.4V ± 0.1V
Finish Charge Voltage	充滿後電壓	1.45V ± 0.05V
Short Circuit Protection	短路保護	Yes (有)
Over-Voltage Protection	過壓保護	Yes (有)
Over-Temperature Protection	過溫保護	Yes (有)
Negative Delta V Protection	負DeltaV保護	Yes (有)
Ni-MH or Ni-Cd Battery Cell	Ni-MH 或 Ni-Cd	Auto-Sensing (自動檢測)
AA or AAA Battery Cell	AA 或 AAA	Auto-Sensing (自動檢測)
Number of Cells (1 to 4 Cells)	電池數量 (1至4粒)	Auto-Sensing (自動檢測)
Maximum Charging Time Control	上限充電時間控制	5 Hours Maximum (5小時上限)
LED Indication for Each Channel	每組獨立LED指示	Yes (有)
Full Charge Time for 1 AA	1 AA 充滿時間	Approx 2.5 Hours (約 2.5小時)
Full Charge Time for 2 AA	2 AA 充滿時間	Approx 2.5 Hours (約 2.5小時)
Full Charge Time for 3 AA	3 AA 充滿時間	Approx 3.0 Hours (約 3.0小時)
Full Charge Time for 4 AA	4 AA 充滿時間	Approx 3.0 Hours (約 3.0小時)
Full Charge Time for 1 AAA	1 AAA 充滿時間	Approx 2.0 Hours (約 2.0小時)
Full Charge Time for 2 AAA	2 AAA 充滿時間	Approx 2.0 Hours (約 2.0小時)
Full Charge Time for 3 AAA	3 AAA 充滿時間	Approx 2.5 Hours (約 2.5小時)
Full Charge Time for 4 AAA	4 AAA 充滿時間	Approx 2.5 Hours (約 2.5小時)
Certification	安規認證	CE, CB, cETLus, FCC, CCC,

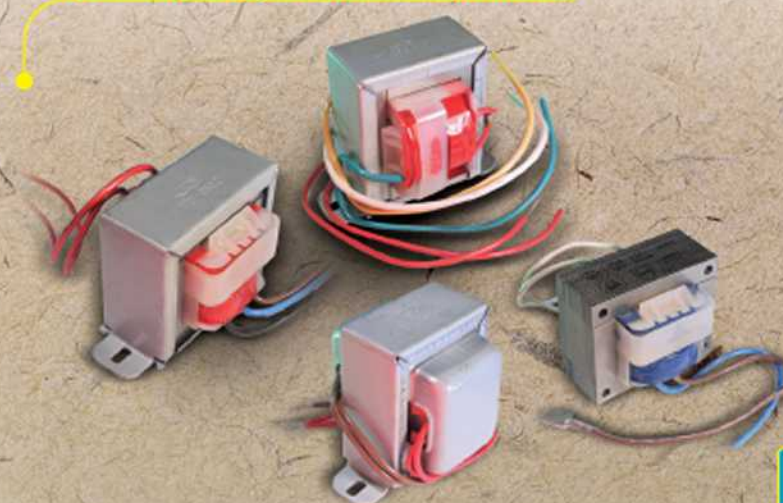


HELMS-MAN COLLECTION OF POWER TRANSFORMERS

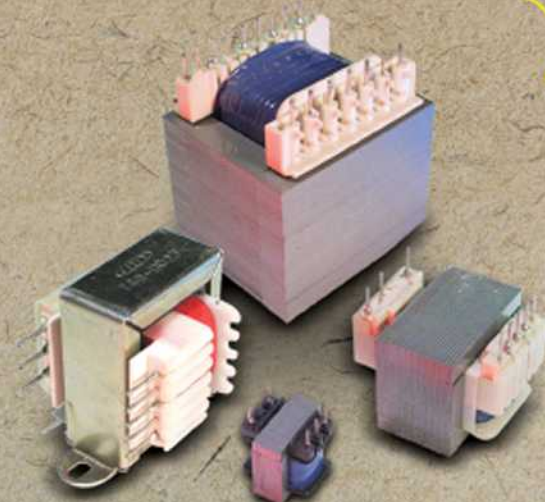


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Lead Wire Type Power Transformers



PCB Mounted Pin Type Power Transformers



Door Chime Transformers



HELMS-MAN HOME USE TRANSFORMERS FOR DOOR CHIMES, HEATER CONTROLS & HOMES SECURITY.,etc

全身橋鎖頭有水線 (Vertical Frame Lock Nut Type With Ground Wire)

Model Nr	Power 1	and Power 2	or Power 3	闊度(A)
EM57580	AC16V,10VA			42.5mm
EM57581	AC10V,5VA			42.5mm
EM57582	AC16V,15VA			42.5mm
EM57583	AC24V,20VA	AC8V,10VA	AC16V,10VA	42.5mm
T57-0252	AC24V,15VA			42.5mm
T57-0040	AC24V,40VA			58mm
T57-0041	AC24V,30VA	AC8V,20VA	AC16V,30VA	58mm
T57-0042	AC24V,40VA	AC8V,20VA	AC16V,30VA	58mm
T57-0052	AC16V,30VA			58mm
T57-0487	AC12V,30VA	AC24V,40VA		58mm

橫身橋曲鉗有水線 (Horizontal Frame Clamp-On Type With Ground Wire)

Model Nr	Power 1	and Power 2	or Power 3	闊度(A)
EM57580H	AC16V,10VA			42.5mm
EM57581H	AC10V,5VA			42.5mm
EM57582H	AC16V,15VA			42.5mm
EM57583H	AC24V,20VA	AC8V,10VA	AC16V,10VA	42.5mm
T57-0013H	AC25V,12VA			42.5mm
T57-0252H	AC24V,15VA			42.5mm
T57-0040H	AC24V,40VA			58mm
T57-0041H	AC24V,30VA	AC8V,20VA	AC16V,30VA	58mm
T57-0042H	AC24V,40VA	AC8V,20VA	AC16V,30VA	58mm
T57-0052H	AC16V,30VA			58mm
T57-0487H	AC12V,30VA	AC24V,40VA		58mm

無橋鎖頭有水線 (No Frame Lock-Nut Type With Ground Wire)

Model Nr	Power 1	and Power 2	or Power 3	闊度(A)
T57-0040R	AC24V,40VA			58mm
T57-0042R	AC24V,40VA	AC8V,20VA	AC16V,30VA	58mm
T57-0062R	AC16V,30VA			58mm

無橋曲鉗有水線 (No Frame Clamp-On Type With Ground wire)

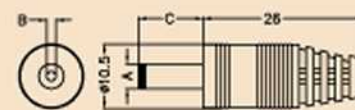
Model Nr	Power 1	and Power 2	or Power 3	闊度(A)
T57-0041R	AC24V,30VA	AC8V,20VA	AC16V,30VA	58mm



HELMS-MAN COLLECTION OF PLUGS & JACKS



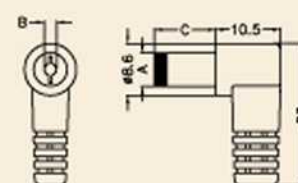
Part No	A	B	C
PST-351410	ø 3.5	ø 1.4	10
PST-401710	ø 4.0	ø 1.7	10
PST-552108	ø 5.5	ø 2.1	8
PST-552110	ø 5.5	ø 2.1	10
PST-552112	ø 5.5	ø 2.1	12
PST-552114	ø 5.5	ø 2.1	14



Part No.PST-XXX



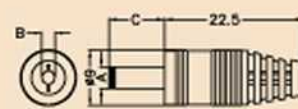
Part No	A	B	C
SL-351410	ø 3.5	ø 1.4	10
SL-401710	ø 4.0	ø 1.7	10
SL-552108	ø 5.5	ø 2.1	8
SL-552110	ø 5.5	ø 2.1	10
SL-552112	ø 5.5	ø 2.1	12
SL-552114	ø 5.5	ø 2.1	14



Part No.SL-XXX



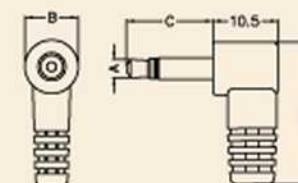
Part No	A	B	C
SS-351410	ø 3.5	ø 1.4	10
SS-401710	ø 4.0	ø 1.7	10
SS-552108	ø 5.5	ø 2.1	8
SS-552110	ø 5.5	ø 2.1	10
SS-552112	ø 5.5	ø 2.1	12
SS-552114	ø 5.5	ø 2.1	14



Part No.SS-XXX



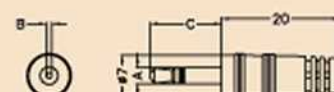
Part No	A	B	C
ML-2512	ø 2.5	ø 8.5	12
ML-3514	ø 3.5	ø 8.5	14



Part No.ML-XXX



Part No	A	B	C
SS-230710	ø 2.3	ø 0.7	10

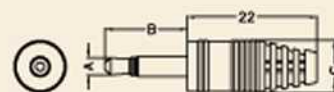


Part No.SS-XXX

HELMS-MAN COLLECTION OF PLUGS & JACKS



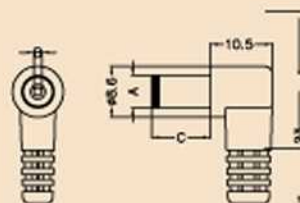
Part No	A	B	C
MPS-2512	∅ 2.5	12	∅ 9
MPS-3514	∅ 3.5	14	∅ 9



Part No.MPS-XXX



Part No	A	B	C
PL-351208	∅ 3.5	∅ 1.25	8
PL-351210	∅ 3.5	∅ 1.25	10
PL-351212	∅ 3.5	∅ 1.25	12
PL-351408	∅ 3.5	∅ 1.4	8
PL-351410	∅ 3.5	∅ 1.4	10
PL-351412	∅ 3.5	∅ 1.4	12
PL-552108	∅ 5.5	∅ 2.1	8
PL-552110	∅ 5.5	∅ 2.1	10
PL-552112	∅ 5.5	∅ 2.1	12
PL-552510	∅ 5.5	∅ 2.5	10
PL-552512	∅ 5.5	∅ 2.5	12
PL-552514	∅ 5.5	∅ 2.5	14



Part No.PL-XXX



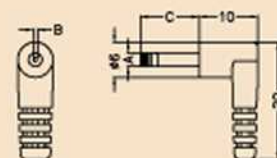
Part No	A	B	C
PS-351408	∅ 3.5	∅ 1.4	8
PS-351410	∅ 3.5	∅ 1.4	10
PS-352108	∅ 3.5	∅ 2.1	8
PS-552110	∅ 5.5	∅ 2.1	10
PS-552112	∅ 5.5	∅ 2.1	12
PS-552508	∅ 5.5	∅ 2.5	8
PS-552510	∅ 5.5	∅ 2.5	10
PS-552512	∅ 5.5	∅ 2.5	12
PS-552514	∅ 5.5	∅ 2.5	14



Part No.PS-XXX



Part No	A	B	C
SL-230710	∅ 2.3	∅ 0.7	10



Part No.SL-XXX

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Standard USB-A Part No:1201-0220016760R



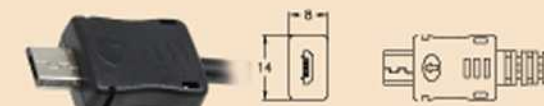
2-Pin Receptacle Part No:0101-00000300-0R



mini USB-B Part No:1201-3000014940R



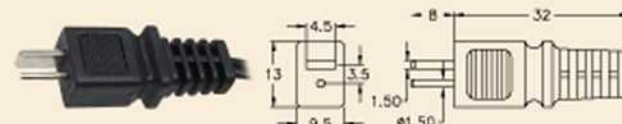
2-Pin Receptacle Part No:0101-00000300-0R



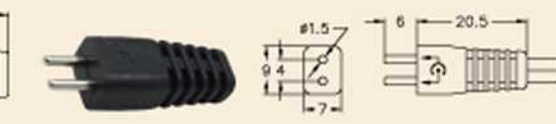
Micro USB-B Part No:1201-3000020720R



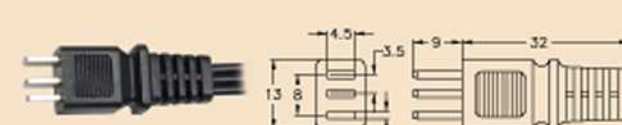
2-Pin Receptacle Part No:0101-000002101-0R



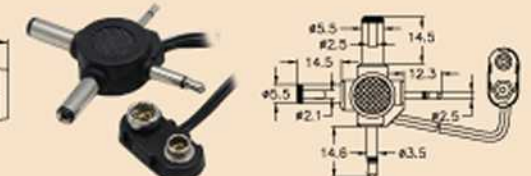
2-Pin Din Jack Part No:1201-5010007720R



Part No:1201-700000034-0R

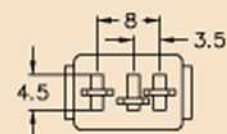


3-Pin Din Jack Part No:1201-5220006230R

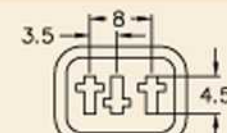


5-Way Plug Part No: PP-0124

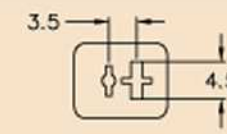
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3-Pin Din Jack Part No: PP-0535



3-Pin Din Jack Part No: PP-0001



2-Pin Din Jack Part No: PP-0154



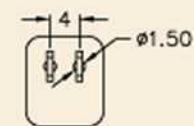
DC Jack Part No	For DC Plug Size	
	A	B
PP-0125-3512	Ø 1.25	Ø 3.5
PP-0125-3514	Ø 1.4	Ø 3.5
PP-0125-5521	Ø 2.1	Ø 5.5
PP-0125-5525	Ø 2.5	Ø 5.5
PP-0125-2307	Ø 0.7	Ø 2.3



Round DC Jack Part No: PP-0125



Round Ear Phone Jack Part No: PP-0550

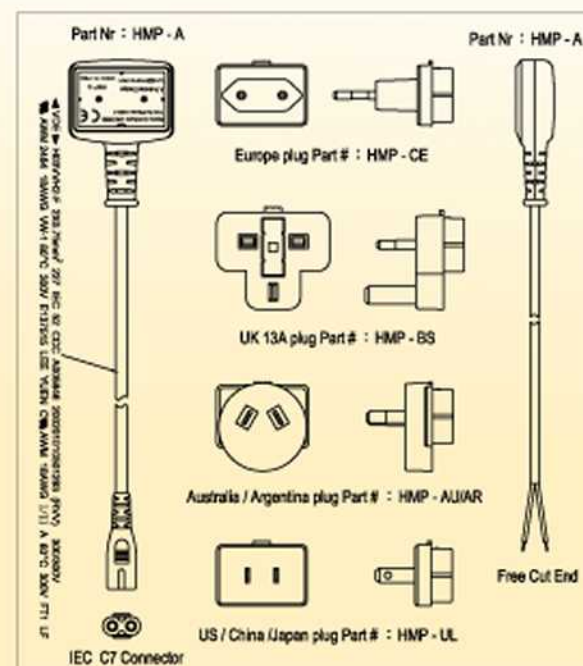


Mini 2-pin Din Jack Part No: PP-0171



Part No: 9400-00012800-0

HELMS-MAN® TRANSFORMERS CO. LTD. International Plug-Changeable Power Cord



Use this cable for

- lower unit cost
- lower production cost
- lower stock-keeping cost
- faster market response
- JIT production
- JIT shipments



Notebook/Notebook Computers



Digital Camera/Camcorder



Audio/Video Products



Office & Household Appliances



Power Supplies



Battery Chargers