

POWERMASTER[®] ELECTRICAL

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POWER CORDS

IEC-C7 Appliance Cord



2-core light duty power cord as used on some small appliances. Fitted with IEC-C7 (figure-8) connector and Australian 2-pin mains plug with insulated pins compliant with AS/NZS3112. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3762-005	500mm	Black
K3762-001	1.0 Metre	Black
K3762	2.0 Metre	Black
K3762WHI	2.0 Metre	White
K3762-030	3.0 Metre	Black
K3762-080	8.0 Metre	Black

IEC-C5 Appliance Cord



3-core general duty power cord as used on some compact Switch Mode Power Supplies (laptop computers) and small appliances. Fitted with IEC-C5 connector and Australian 3-pin mains plug with insulated pins compliant with AS/NZS3112. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3745-001	1.0 Metre	Black
K3745	2.0 Metre	Black
K3745-050	5.0 Metre	Black

IEC-C13 Appliance Cord



As used on most computers and office equipment. Fitted with IEC-C13 connector and Australian 3-pin mains plug with insulated pins compliant with AS/NZS3112. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3746	500mm	Black
K3748	1.0 Metre	Black
K3756BLK	1.5 Metre	Black
K3749	2.0 Metre	Ash
K3750	2.0 Metre	Black
K3752	2.5 Metre	Dark Grey
K3758ASH	3.0 Metre	Ash
K3758	3.0 Metre	Black
K3757	5.0 Metre	Black
K3750-010	10.0 Metre	Black
K3750-020	20.0 Metre	Black

IEC-C7 Appliance Cord with Right-angle Mains Plug



2-core light duty power cord as used on some small appliances. Fitted with IEC-C7 (figure-8) connector and Australian 2-pin right-angle mains plug with insulated pins compliant with AS/NZS3112. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3762-009	2.0 Metre	Black

POWER CORDS

High Temp IEC-C15 Power Cord



3-core high temperature power cord as used on some compact Switch Mode Power Supplies (laptop computers) and small appliances. Fitted with IEC-C15 connector and Australian 3-pin mains plug with insulated pins compliant with AS/NZS3112. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3741	1.0 Metre	Black
K3741-020	2.0 Metre	Black

IEC-C13 Special Purpose Power Cord with Round Earth Pin



Power cord fitted with IEC-C13 connector and Australian Special Purpose 3-pin mains plug with round earth pin and insulated active and neutral pins compliant with AS/NZS3112. Applications include lighting, exhaust fans, cash registers or IT equipment which may be connected to a special purpose power circuit. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3788-001	3.0 Metre	Grey

IEC-C13 Special Purpose Power Cord Appliance Cord



10 Amp AC Power Cord as used on most computers and office equipment. Fitted with a left-hand right-angle IEC-C13 connector and Australian 3-pin mains plug with insulated pins compliant with AS/NZS3112.

CAT #	LENGTH	COLOUR
K3755-RND	2.0 Metre	Black

IEC-C13 Power Cord with Right-Angle IEC-C13 Connector and Right-Angle Mains Plug



3-core flex fitted with a right-angle 3-pin Australian mains plug with insulated pins compliant with AS/NZS3112 and a left-hand right-angle IEC-C13 connector. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3785-010	2.0 Metre	Grey
K3785-055	2.0 Metre	Black

POWER CORDS

Power Cord with Left-hand Right-angle IEC-C13 Connector



10 Amp AC power cord as used on most computers and office equipment. Fitted with a left-hand right-angle IEC-C13 connector and Australian 3-pin mains plug with insulated pins compliant with AS/ NZS3112. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3755	2.0 Metre	Black

Left-hand Right- angle IEC-C13 to IEC-C14 Power Cord



3-core general duty power cord as used on some compact Switch Mode Power Supplies (laptop computers) and small appliances. Fitted with right-angle female IEC-C13 and male IEC-C14 connectors. Compliant with AS/ NZS3112. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3759-002	300mm	Black

IEC-C13 to IEC-C14 Power Cord



10 Amp AC power cord used mainly to power monitors from the PC's IEC output. Fitted with female IEC-C13 and male IEC-C14 connectors. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3759-005	500mm	Black
K3759-503	500mm	Blue
K3759-505	500mm	Green
K3759-502	500mm	White
K3759-001	1.0 Metre	Black
K3759-015	1.5 Metre	Black
K3759-523	1.5 Metre	Blue
K3759	2.0 Metre	Black
K3759-025	2.5 Metre	Black
K3794	3.0 Metre	Black
K3795	5.0 Metre	Black

IEC-C14 to IEC-C15 Power Cord



A 10 Amp AC power cord used mainly to power computer servers from a UPS IEC outlet. Fitted with male IEC-C14 and female high temperature IEC-C15 connectors. High temperature RR flex as required for compliance when moulded to the IEC-C15 connector.

CAT #	LENGTH	COLOUR
K3742-005	500mm	Black
K3742-010	1.0 Metre	Black
K3742-015	1.5 Metre	Black
K3742-016	1.5 Metre	White
K3742-020	2.0 Metre	Black
K3742-030	3.0 Metre	Black

POWER CORDS

IEC-C19 Power Cord



3-core general duty power cord as used on some compact Switch Mode Power Supplies (laptop computers) and small appliances. Fitted with IEC-C5 connector and Australian 3-pin mains plug with insulated pins compliant with AS/NZS3112. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR	MAINS PLUG
K3744-115	1.0 Metre	Black	15 Amp
K3744-015	2.0 Metre	Black	15 Amp
K3744-315	3.0 Metre	Black	15 Amp
K3744-515	5.0 Metre	Black	15 Amp

IEC-C14 to IEC-C15 Power Cord



10 Amp 3-core power cord fitted with one IEC-C14 connector and two IEC-C15 connectors. Suitable for supply of power to two monitors or other devices fitted with IEC-C14 connectors from a single IEC-C13 power connector. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3778-300	200mm + 2 x 100mm	Black
K3778	500mm + 2 x 1.5m	Black

IEC-C5 to IEC-C14 Power Cord



AC power cord used mainly to power laptop PC's from UPS output. Fitted with female IEC-C5 and male IEC-C14 connectors. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3796-010	1.0 Metre	Black
K3796-020	2.0 Metre	Black

IEC-C19 to IEC-C20 Power Cord



15 Amp 1.5mm² AC power cord fitted with female IEC-C19 15 Amp (16 Amp) and male IEC-C20 connectors. As used on rack mounted power boards, servers and UPS. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3743-002	250mm	Black
K3743-005	500mm	Black
K3743-007	750mm	Black
K3743-010	1.0 Metre	Black
K3743-015	1.5 Metre	Black
K3743-020	2.0 Metre	Black
K3743-030	3.0 Metre	Black
K3743-060	6.0 Metre	Black
K3743-100	10.0 Metre	Black
K3743-011	1.0 Metre	White
K3743-021	2.0 Metre	White
K3743-031	3.0 Metre	White

Plug & Flex



A 2-core or 3-core flex fitted with standard Australian mains plug with insulated pins compliant with AS/NZS3112. Custom lengths, colours, stripping and tinning or terminals are available. Suitable for any hard-wired electrical appliances or light fittings. Stock cords are shown below. Electrical Safety Authority Approved.

CAT #	LENGTH	FLEX	COLOUR	MAINS PLUG		SHEATH STRIPPED	ACTIVE/ NEUTRAL	EARTH
K3781	1.8 Metre	3 x 1.00mm ²	Black	Straight	10 Amp	10mm	Blunt Cut	Blunt Cut
K3762CUT	2.0 Metre	2 x 0.75mm ²	Black	Straight	10 Amp	10mm	Blunt Cut	
K3782GRY	2.0 Metre	3 x 0.75mm ²	Grey	Straight	10 Amp	80mm	10mm Stripped	M5 Connector
K3782-001	2.0 Metre	3 x 1.50mm ²	Grey	Straight	15 Amp	80mm	10mm Stripped	M5 Connector
K3782-003	3.0 Metre	3 x 0.75mm ²	Grey	Straight	10 Amp	80mm	10mm Stripped	M5 Connector
K3785-001	2.0 Metre	3 x 0.75mm ²	Black	Right-angle	10 Amp	65mm	10mm Stripped	
K3785-002	2.0 Metre	3 x 1.00mm ²	Black	Right-angle	10 Amp	65mm	10mm Stripped	
K3781-011	4.0 Metre	3 x 2.126mm ²	Grey	Straight	10 Amp	265mm	Blunt Cut	Blunt Cut

POWER CORDS

IEC-Y Cord C13 + C14 + Mains Socket



10 Amp 3-core power cord fitted with one IEC-C14 connector, one IEC-C13 connector and one 3-pin Australian mains socket. Suitable for connection of a device fitted with a standard Australian mains plug and a device fitted with an IEC-C14 connector to a UPS or other device fitted with a IEC-C13 female connector. Length is 600mm overall, comprising 2 x 220mm IEC sections and a single 220mm section from the mains socket to the Y-junction. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3773	220mm + 2 x 220mm	Black

2 x C13 Mains Y Cord - 0.5m + 2 x 1.5m



A 10 Amp 3-core power cord fitted with Australian 3-pin mains plug with insulated pins compliant with AS/NZS3112 and two IEC-C13 connectors. Suitable for supply of power to both a PC and monitor from a single power outlet. Length is 2 metres overall, comprising 2 x 1.5 metre IEC-C13 sections and a single 500mm section from the mains plug to the Y-junction. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3774	500mm + 2 x 1.5 Metre	Black

Mains Socket IEC-C14 Cord

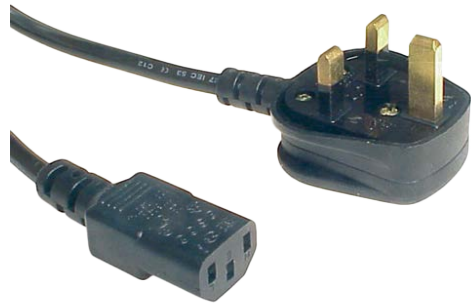


10 Amp 3-core power cord fitted with standard Australian mains socket and an IEC-C14 connector. Suitable for connection of a device fitted with a standard mains plug to an IEC-C13 connector. Typically used to connect a PC to a UPS. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3791	150mm	Black
K3792	1.5 Metre	Black

INTERNATIONAL POWER CORDS

UK IEC-C13 Power Cord



10 Amp AC power cord as used on most U.K. Hong Kong or Singapore computers and office equipment. Fitted with an IEC-C13 connector and a 230V 3-pin U.K. mains plug with integrated 13 Amp fuse.

CAT #	LENGTH	COLOUR
K3767	2.0 Metre	Black

European IEC-C13 Power Cord



10 Amp AC power cord as used on most European computers and office equipment. Fitted with an IEC-C13 connector and a right-angled 230V earthed European Schuko mains plug.

CAT #	LENGTH	COLOUR
K3770	2.0 Metre	Black

USA IEC-C13 Power Cord



For 110V use. AC power cord as used on most U.S.A. computers and office equipment. Fitted with IEC-C13 connector and 110V U.S.A. 3-pin mains plug.

CAT #	LENGTH	COLOUR
K3764	1.8 Metre	Black
K3765	3.0 Metre	Grey

UK IEC-C7 Appliance Cord



2-core light duty power cord as used on some small appliances for use in UK, Hong Kong or Singapore. Fitted with an IEC-C7 (figure-8) connector and a UK 3-pin mains plug with integrated 3 Amp fuse. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3762UK3	2.0 Metre	Black

INTERNATIONAL POWER CORDS

European IEC-C7 Appliance Cord



2-core light duty power cord as used on some small appliances for use in Europe. Fitted with IEC-C7 (figure-8) connector and a 2-pin European mains plug.

CAT #	LENGTH	COLOUR
K3762EU	2.0 Metre	Black

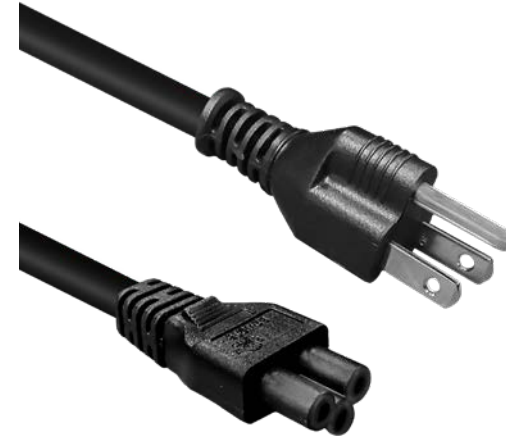
USA IEC-C7 Appliance Cord



For 110V use. 2-core light duty 18AWG figure-8 power cord as used in U.S.A. for some small appliances. Fitted with IEC-C7 (figure-8) connector and 110V U.S.A. 2-pin mains plug.

CAT #	LENGTH	COLOUR
K3762USA	2.0 Metre	Black

UK IEC-C7 Appliance Cord



For 110V use. AC power cord as used on some compact Switch Mode Power Supplies (laptop computers) and small appliances. Fitted with IEC-C5 connector and 110V U.S.A. 3-pin mains plug

CAT #	LENGTH	COLOUR
K3745USA	2.0 Metre	Black

MEDICAL POWER CORDS

IEC-C7 Medical Power Cord



2-core light duty power cord as used on some small appliances. Fitted with IEC-C7 (figure-8) connector and Australian 2-pin mains plug with insulated pins compliant with AS/NZS3112. Orange coloured flex and transparent mains plug and IEC connector as required for medical equipment applications. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3762OR1	1.0 Metre	Orange & Transparent
K3762OR2	2.0 Metre	Orange & Transparent
K3762OR3	3.0 Metre	Orange & Transparent

IEC-C13 to IEC-C14 Medical Power Cord



A 3-core IEC extension power cord fitted with female IEC-C13 and male IEC-C14 connectors. Orange coloured flex and transparent IEC connectors as required for medical equipment applications. Electrical Safety Authority Approved

CAT #	LENGTH	COLOUR
K3794ORA	3.0 Metre	Orange & Transparent

IEC-C13 Medical Power Cord



A 3-core general duty power cord fitted with IEC-C13 connector and Australian 3-pin mains plug with insulated pins compliant with AS/NZS3112. Orange coloured flex and transparent mains plug and IEC connector as required for medical equipment applications. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3748ORA	1.0 Metre	Orange & Transparent
K3756ORA	1.5 Metre	Orange & Transparent
K3750ORA	2.0 Metre	Orange & Transparent
K3758ORA	3.0 Metre	Orange & Transparent
K3754ORA	4.0 Metre	Orange & Transparent
K3757ORA	5.0 Metre	Orange & Transparent
K3751ORA	6.0 Metre	Orange & Transparent

Right-Angled IEC-C13 Medical Power Cord



A 3-core general duty power cord fitted with a left-hand right-angle IEC-C13 connector and Australian 3-pin mains plug with insulated pins compliant with AS/NZS3112. Orange coloured flex and transparent mains plug and IEC connector as required for medical equipment applications. Electrical Safety Authority Approved.

CAT #	LENGTH	COLOUR
K3755ORA	2.0 Metre	Orange & Transparent
K3755OR3	3.0 Metre	Orange & Transparent
K3755OR5	5.0 Metre	Orange & Transparent

WALL MOUNT SWITCH MODE POWER SUPPLIES

Wall mounted light weight and compact Switch Mode Power Supply Units with a wide 90V-264V AC input voltage range to suit travel product applications. The narrow width (excluding the 32G Series) allows two adaptors to be used in a standard double power outlet. Insulated active and neutral pins meet AS/NZS3112 for improved electrical safety. Electrical Safety Authority Approved. Popular models are shown in the table below. Other voltages and choice of output plug can be custom made upon request.

12J Series



Dimensions: 39(W) x 79(H) x 38(D)mm
Maximum output power: 12W

CAT #	OUTPUT	PLUG	POWER
T0520-21J	5VDC 2.0A	11 x 5.5 x 2.1mm	2000mA
T0911-21J	9VDC 1.1A	11 x 5.5 x 2.1mm	1100mA
T1210-21J	12VDC 1.0A	11 x 5.5 x 2.1mm	1000mA

12Z Series



Dimensions: 39.5(W) x 58.5(H) x 27.7(D)mm
Maximum output power: 12W

CAT #	OUTPUT	PLUG	POWER
T0620-21Z	6VDC 2.0A	11 x 5.5. 2.1mm	2000mA
T1210-21Z	12VDC 1.0A	11 x 5.5. 2.1mm	1000mA
T1210-25Z	12VDC 1.0A	11 x 5.5 x 2.5mm	1000mA

WALL MOUNT SWITCH MODE POWER SUPPLIES

18J Series



Dimensions: 39(W) x 79(H) x 38(D)mm
Maximum output power: 18W

CAT #	OUTPUT	PLUG	POWER
T0530-21J	5V DC 3.0A	11 x 5.5 x 2.1mm	3000mA
T0530-25J	5V DC 3.0A	11 x 5.5 x 2.5mm	3000mA
T1255-25J	12V DC 1.5A	11 x 5.5 x 2.5mm	1500mA
T1810-21J	18V DC 1.0A	11 x 5.5 x 2.1mm	1000mA
T1810-25J	18V DC 1.0A	11 x 5.5 x 2.5mm	1000mA

24Z Series



Dimensions: 39(W) x 70(H) x 28(D)mm
Maximum output power: 12W

CAT #	OUTPUT	PLUG	POWER
T1220-21Z	12VDC 2.0A	11 x 5.5 x 2.1mm	2000mA
T1220-25Z	12VDC 2.0A	11 x 5.5 x 2.5mm	2000mA

WALL MOUNT SWITCH MODE POWER SUPPLIES

32G Series



Dimensions: 47(W) x 93(H) x 34.2(D)mm
Maximum output power: 30W

CAT #	OUTPUT	PLUG	POWER
T1225-021	12V DC 1.2A	11 x 5.5 x 2.1mm	2500mA
T2412-21G	24V DC 1.2A	11 x 5.5 x 2.1mm	1200mA

32G Series



Dimensions: 47(W) x 93(H) x 34.2(D)mm
Maximum output power: 30W

CAT #	OUTPUT	PLUG	POWER
T1816-011	18V DC 1.2A	F-Type	1600mA

48C Series AC Adaptor (Alarm Panel PSU)



Large ventilated case with 24 watt maximum capacity designed for applications such as security systems. Specialised 16V AC 1.5 amp class 1 (earthed) version available with ash coloured case for security system manufacturers and installers. A selection of models is stocked. Custom models can be made from 3V to 30V with 300mA to 4 amp current range. Insulated active and neutral pins meet AS/NZS3112 for improved electrical safety. Dimensions 58(W) x 77(H) x 57(D)mm. Electrical Safety Authority Approved.

CAT #	OUTPUT	PLUG	CLASS	POWER
T1615MEP	16V AC 1.5A	Stripped/Tinned	1	1500mA
T1813S/T	18V AC 1.3A	Stripped/Tinned	1	1300mA
T2410A21	24V AC 1.0A	11 x 5.5 x 2.1mm	2	1000mA
T2410S/T	24V AC 1.0A	Stripped/Tinned	2	1000mA

IN-LINE SWITCH MODE POWER SUPPLIES

In-line light weight compact Switch Mode Power Supply Units with a wide 96V-264V AC input voltage range to suit travel product applications. Standard IEC-C6, IEC-C8 or IEC-C14 inlet allows the correct IEC-C5, IEC-C7 or IEC-C13 power cord to be selected for different countries. Electrical Safety Authority Approved. Popular models are shown in the table below. Other voltages and choice of output plug can be custom made upon request.

48D Series



Dimensions: 11.5(L) x 47.5(W) x 34(H)mm
Maximum output power: 42W

CAT #	OUTPUT	PLUG	POWER
T1235-021	12V DC 3.5A	11 x 5.5 x 2.1mm	3500mA
T1235-025	12V DC 3.5A	11 x 5.5 x 2.1mm	3500mA
T1823-021	18V DC 2.3A	11 x 5.5 x 2.1mm	2330mA

60J Series



Dimensions: 115(L) x 52(W) x 34(H)mm
Maximum output power: 60W

CAT #	OUTPUT	PLUG	POWER
T0540-025	5V DC 4.0A	11 x 5.5 x 2.5mm	4000mA
T1250-021	12V DC 5.0A	11 x 5.5 x 2.1mm	5000mA
T1250-025	12V DC 5.0A	11 x 5.5 x 2.5mm	5000mA
T2425-025	24V DC 2.5A	11 x 5.5 x 2.5mm	2500mA

150E/180E Series



Dimensions: 170(L) x 33(W) x 19(H)mm
Maximum output power: 150/180W

CAT #	OUTPUT	PLUG	POWER
T1212-151	12V DC 12.5A	4-Pin DC	150 Watt
T2462-151	24V AC 6.25A	4-Pin DC	150 Watt

AC Adaptors

We specialise in custom manufacture of transformer based (linear) AC Adaptors to your exact specification with popular voltage/current combinations held in stock. A selection of popular output plug types and sizes is available or custom output plugs can be fitted if required. Our standard AC Adaptors are unregulated. Our entire range of AC Adaptors is Electrical Safety Authority approved and all cases and mains plugs have insulated active and neutral pin to meet requirements of AS/NZS3112. RCM symbol indicates compliance with all relevant standards.

Wide and Narrow Power Supplies (AS/NZS 3112:2000 and 2004)

To allow for the safe side-by-side use of devices with integral mains pins (such as plug-in power supplies) in double or multiple socket outlets (double-power points or power boards), these devices must be either less than 43.8mm wide or greater than 54mm wide. Two power supplies that are both less than 43.8mm wide will fit into a double power point (or adjacent sockets on a power board) without jamming. Two wide power supplies (both wider than 54mm) cannot be plugged into the same double power point (neither power supply will work). If one wide and one narrow power supply are plugged into the same double power point, only one power supply will be able to be correctly inserted and the other power supply will not work. The width (w) is measured at the widest part of the device as shown below.



Two narrow power supplies may be used together in a standard double power point. They will both safely operate without mechanical interference.















In an attempt to use one wide plus one narrow power supply in the same double power point, only one will be able to be fully inserted and the other power supply will not work. This example shows the wide power supply displacing the narrow power supply and preventing it from operating safely.



This example shows an attempt to use two wide power supplies in the same double power point. Both the power supplies are displaced. Neither can be inserted correctly and neither power supply will operate safely.

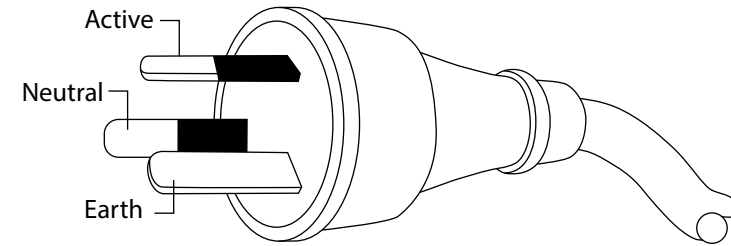


IEC-320 Appliance Connectors

Connector Type	Connector	Inlet	Max Temp	Rated Current (Amps)
	C1	C2	70°C	0.2A
	C3	C4	70°C	2.5A
	C5	C6	70°C	2.5A
	C7	C8	70°C	2.5A
	C9	C10	70°C	6.0A
	C11	C12	70°C	10.0A
	C13	C14	70°C	10.0A
	C15	C16	120°C	10.0A
	C15A	C16A	155°C	10.0A
	C17	C18	70°C	16.0A
	C19	C20	70°C	16.0A
	C21	C22	155°C	16.0A

3-Pin Australian Mains Plug

Use	Marking	Flex Conductor Colours	Building Wire Conductor Colours
Active	A	Brown	Red
Neutral	N	Blue	Black
Earth	E	Green/Yellow	Green/Yellow



Australian Mains Plug Variations - AS/NZS3112

	10A 2 Pins	10A 3 Pins	10A 3 Pins	15A 3 Pins	20A 3 Pins
Plug End Pinout					
Description	Standard 10A mains plug for double insulated appliances	Standard 10A mains plug	10A mains plug with round earth pin	Standard 15A mains plug	Standard 20A mains plug
Socket Compatibility					
10Amp Flat Earth	■	■			
10Amp Round Earth	■		■		
15Amp Flat Earth	■	■		■	
20Amp Flat Earth	■	■		■	■
Applications	Double insulated domestic appliances and equipment.	Earthed domestic appliances and equipment.	Special purpose outlets such as control circuits, lighting and exhaust fans etc.	Caravans, air conditioning, light industrial appliances and equipment.	Plug-in stoves air conditioning and light industrial appliances and equipment.
Active & Neutral Pins 6.35mm x 1.63mm	■	■	■	■	
9.08mm x 1.63mm					■
Earth Pin 6.35mm x 1.63mm	NA	■			
9.08mm x 1.63mm	NA			■	■
4.75mm diameter	NA		■		

Power Calculation

The following formula is used to calculate wattage (or VA). This formula is useful to determine if a required voltage and current combination will exceed the maximum capacity of a particular AC Adaptor's case.

$$\text{Volts} \times \text{Amps} = \text{Watts (VA)}$$

Power Supply Units Abbreviations and Symbols

The rating plate of an Extra Low Voltage Power Supply Unit. (ELVPSU) shows various symbols and abbreviations representing ratings, class, insulation, polarity and other electrical safety and EMC compliance details.

Abbreviations

The following abbreviations used in conjunction with a numeric value, are used to define nominated electrical characteristics of a power supply unit.

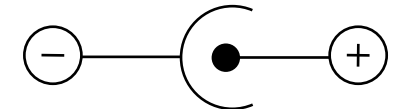
V	Volts		Hz	Hertz
A	Amperes		PRI	Input
mA	Miliamperes		SEC	Output
VA	Volt Amperes		DC	Direct Current
VAC	Volts AC		AC	Alternating Current
W	Watts		~	Single Phase (AC)

Power Supply Polarity Symbols

The polarity symbol on the rating plate of an AC to DC power supply indicates if the centre (or tip) of the output plug is positive (+) or negative (-). It is important to use a power supply having the correct polarity for the host device. Reverse polarity may result in malfunctioning or damaged equipment.

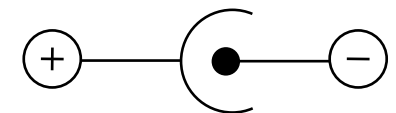
Centre Positive

Indicates that the centre (tip) of the output plug is positive (+) and the barrel of the output plug is negative (-)



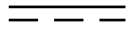
Centre Negative

Indicates that the centre (tip) of the output plug is negative (-) and the barrel of the output plug is positive (+)



Other Symbols

These symbols are used to define the type of construction and safety and/or fail-safe characteristics of a power supply unit.



Direct Current



Protected earth



Class II construction



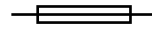
Isolating transformer



Safety isolating transformer



Fail-safe transformer



Fuse-link



Frame or core terminal



Non-short circuit transformer



Short circuit proof transformer



Fail-safe transformer

TERMS AND CONDITIONS

Catalogue Numbers

All items in this catalogue have a computer catalogue number. Please use this catalogue number when ordering to ensure accurate processing and fast dispatch of your order.

Price Lists

Prices are not listed in this catalogue. Please contact us if a price list is required. Trade customers may apply for access to our online ordering website. Discounts are available on most products for carton quantities.

Product Specifications

Information, photos, appearance and specifications shown in our catalogue and website are correct at time of publishing but are subject to change

without notice due to circumstances beyond our control. We reserve the right to substitute equivalent products in the event of changes.

Warranties and Repairs

Unless otherwise stated, warranty period is 12 months from invoice date. Please retain invoices as proof of purchase. If service is required within the warranty period, return item to our service division with a copy of the invoice. Warranty does not cover any damage caused by incorrect installation, corrosion, liquid spillage, power surges, lightning, leaking batteries, or any deliberate or accidental abuse. Distributors should check products to confirm problems are not due to operator error. Our minimum service fee will apply to any items found to have no fault.

Returns and Credits

Items returned will not be credited without prior arrangement. To cover restocking overheads, a fee applies and return freight costs must be covered by the sender.

Damaged Goods

All claims for damaged goods must be reported immediately. Do not open a package if you suspect contents may be damaged. Contact our sales department for advice.

Backorders

Product temporarily out of stock will be automatically placed on backorder and shipped when available. If lead times become excessive or product discontinued, we may offer substitute products of equivalent or higher value. Where substitutes are available at lower prices, we will pass the savings on to you. We reserve the right to vary prices and specifications without notice.

Power Surges

Many products such as power supplies are vulnerable to severe damage in the event of power surges or lightning strikes. Damaging surges (or spikes) can come through telephone lines, AC mains supply cord/power supply or antennas. The damage caused is not covered by warranty and is usually unviable to repair. We recommend disconnection from telephone line and/or 240V AC mains supply during electrical storms or mains power interruptions whenever possible.

Freight

Goods are usually dispatched by overnight road transport. The cost of freight will be added to your invoices. Inward freight must always be paid by the

sender. Items repaired under warranty will be returned with freight paid. Under no circumstances will our receiving docks accept consignments if freight cost is charged to receiver. Any such items will be returned to the sender. Overseas orders less than 20kg are usually dispatched by FedEx, unless arranged otherwise.

Liability

The way in which our products are used is completely beyond our control. Therefore, we cannot be held responsible for damage or destruction, consequential or otherwise, of equipment or articles associated with or used in conjunction with our products. Our liability is limited to repair, replacement or credit (at our option) of purchased product.

Payment Terms and Conditions

Our standard payment terms are payment with order. For your convenience, funds may be direct deposited into our bank account. We also accept most major credit cards and reserve the right to apply a surcharge. Please remember to add GST and freight costs when calculating payment. Credit is only available where prior arrangements exist. Title to goods does not pass to buyer until full payment has been received by Access Communications Pty Ltd.