

32G SMPSU 18V DC 1600mA C-Pos

T1816-011



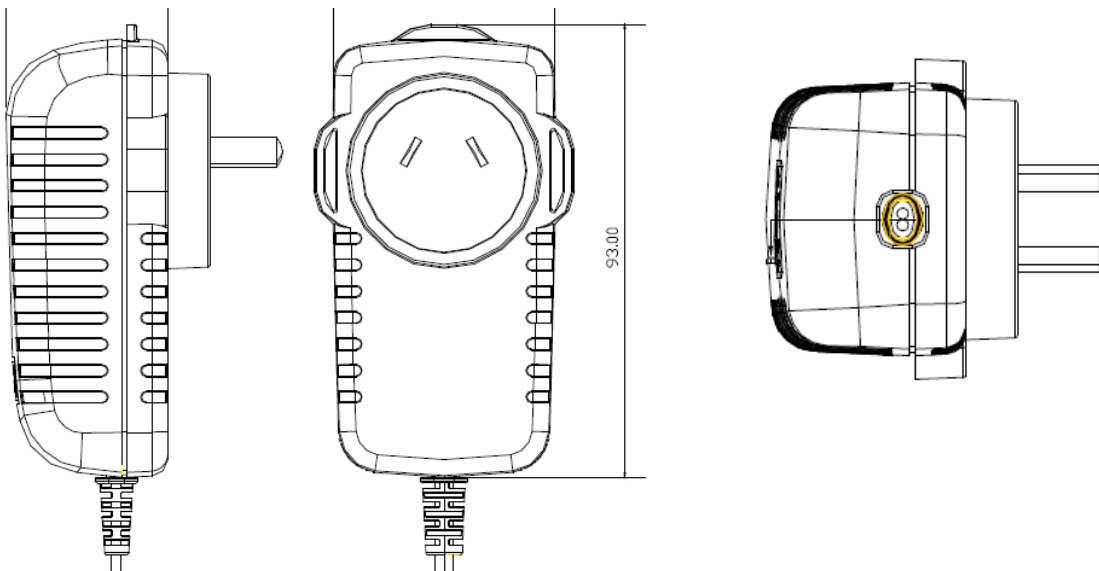
FEATURES

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 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. Other voltages and choice of output plug can be custom made upon request.

DESIGN & CONSTRUCTION



To view Access' extensive ranges go to: www.accesscomms.com.au

Sydney (Head Office)
Brisbane Sales
Melbourne Office
Adelaide Office

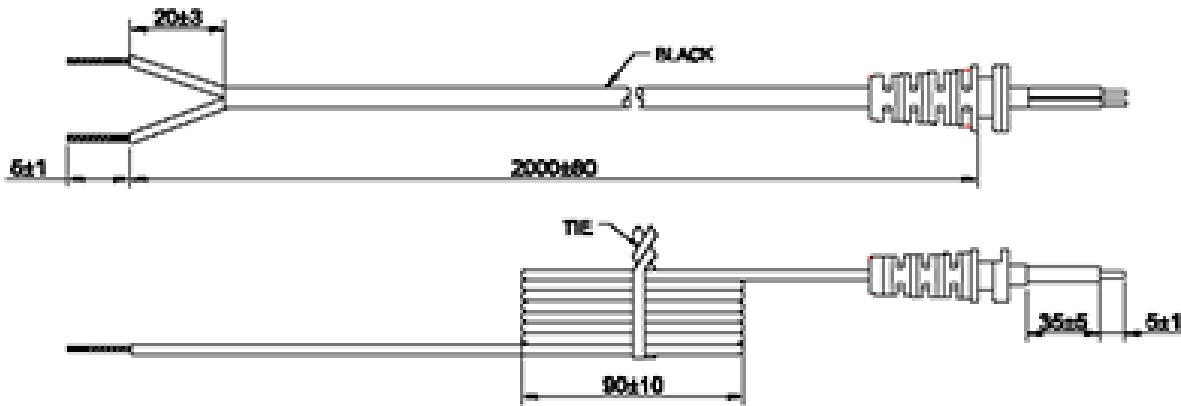
Unit 1, 29 Prince William Drive, Seven Hills NSW 2147
28 The Gateway, Broadmeadows VIC 3047
71 Anzac Highway, Ashford SA 5035

Phone: (02) 9414 8888
Phone: (07) 3308 5555
Phone: (03) 9330 8333
Phone: (08) 8338 5540

sales@accesscomms.com.au
brisbane@accesscomms.com.au
melbourne@accesscomms.com.au
adelaide@accesscomms.com.au

32G SMPSU 18V DC 1600mA C-Pos

T1816-011



NOTE: (unit:mm)

1). WIRE TYPE: VV-1 60°C 300V L=2000mm 1185 Ø3.0 20AWG BLACK

2). THE POLARITY:



3). ROHS

INPUT CHARACTERISTICS

	MINIMUM	NORMAL	MAXIMUM
AC Input Voltage	90 V AC	100 - 240 V AC	264 V AC
AC Input Frequency	-3 Hz	50 / 60 Hz	+ 3 Hz
AC Input Current - 230V AC			0.6A
Input Power			35.91 W
Peak Inrush Current	Limited to 35 A		
Primary Current Protection	An Internal fuse on the AC input line is provided		
Configuration	Wall Mount, AU - Pin, 2 - Conductors, < Active, Neutral >		

To view Access' extensive ranges go to: www.accesscomms.com.au

Sydney (Head Office)
Brisbane Sales
Melbourne Office
Adelaide Office

Unit 1, 29 Prince William Drive, Seven Hills NSW 2147
28 The Gateway, Broadmeadows VIC 3047
71 Anzac Highway, Ashford SA 5035

Phone: (02) 9414 8888
Phone: (07) 3308 5555
Phone: (03) 9330 8333
Phone: (08) 8338 5540

sales@accesscomms.com.au
brisbane@accesscomms.com.au
melbourne@accesscomms.com.au
adelaide@accesscomms.com.au

32G SMPSU 18V DC 1600mA C-Pos

T1816-011

OUTPUT CHARACTERISTICS

Normal DC Output Voltage	+ 18.0 V
Rated Load Current	1.6 A
Minimum Load Current	0.0 A
Rated Output Power	28 . 8 W
Over - Voltage Protection	27 . 0 V Maximum Clamped by internal protection zener
Over - Current Protection	Adaptor protect from 110 - 200 % of rated DC Output
Line Regulation	< ± 5 % at rated load with ± 10 % of input voltage change
Load Regulation	< ± 5 % from 10 % to 100 % of rated load (for + 18.0V)
Short-Circuit Protection	The adaptor shall not be damaged by shorting the DC output to ground with auto recovery functioning correctly.
Ripple and Noise	100 m V P - P Voltage measured P-P at 20MHz and output parallel with 100nF ceramic & 10uF electrolytic capacitors to ground. Temperature at 25 °C and nominal AC input voltage
Hold-Up Time	10mS minimum at nominal input AC voltage and full load
Output Over-Shoot	< 7 % of nominal voltage value
Temperature Coefficient	Output voltage temperature coefficient $\pm 0.05\%$ / °C
Turn-On Delay (max)	3 Seconds at nominal input AC voltage and full load
Rise Time	Start-Up rise time of < 20mS to rise to within regulation limits
Switching Efficiency	80.2% minimum at normal input voltage and output current from 100%, 75% and 25%

To view Access' extensive ranges go to: www.accesscomms.com.au

Sydney (Head Office)
Brisbane Sales
Melbourne Office
Adelaide Office

Unit 1, 29 Prince William Drive, Seven Hills NSW 2147
28 The Gateway, Broadmeadows VIC 3047
71 Anzac Highway, Ashford SA 5035

Phone: (02) 9414 8888
Phone: (07) 3308 5555
Phone: (03) 9330 8333
Phone: (08) 8338 5540

sales@accesscomms.com.au
brisbane@accesscomms.com.au
melbourne@accesscomms.com.au
adelaide@accesscomms.com.au

32G SMPSU 18V DC 1600mA C-Pos

T1816-011

ENVIRONMENTAL CHARACTERISTICS

Cooling	Natural Convection
Operating Temperature	0 °C to + 30 °C
Storage Temperature	- 20 °C to + 80 °C
Operating Humidity	10 ~ 90 % Non-Condensing
Storage Humidity	10 ~ 90 % Non-Condensing

POWER CONSUMPTION AT NO LOAD

Input Current	≤ 35 mA
Power Consumption (No Load)	0.5 W Max

MECHANICAL CHARACTERISTICS

Dimensions	93.0 (L) x 47.0 (W) x 34.2 (D) mm
Weight	196g Maximum
Plastic Case	UL94V - 1
Input Plug Type	Wall Type, SAA 2 - Pin AS / NZS 3112 : 2000
Output Cord	20AWG / 2C , 2.0m , VW - 1 , 80°C , 300V , 1185 , 3.0Q , Black (ROHS)
Output Plug	F - Type Connector
Polarity	Centre Positive

To view Access' extensive ranges go to: www.accesscomms.com.au

Sydney (Head Office)
Brisbane Sales
Melbourne Office
Adelaide Office

Unit 1, 29 Prince William Drive, Seven Hills NSW 2147
28 The Gateway, Broadmeadows VIC 3047
71 Anzac Highway, Ashford SA 5035

Phone: (02) 9414 8888
Phone: (07) 3308 5555
Phone: (03) 9330 8333
Phone: (08) 8338 5540

sales@accesscomms.com.au
brisbane@accesscomms.com.au
melbourne@accesscomms.com.au
adelaide@accesscomms.com.au

32G SMPSU 18V DC 1600mA C-Pos

T1816-011

Dielectric withstanding voltage test (Hi-Pot Test) input to output	3000V AC 10mA for 1 minute
Insulation Resistance	10MΩ at 500V DC between Input to Output
Leakage Current	0.25mA maximum at normal AC input voltage and frequency

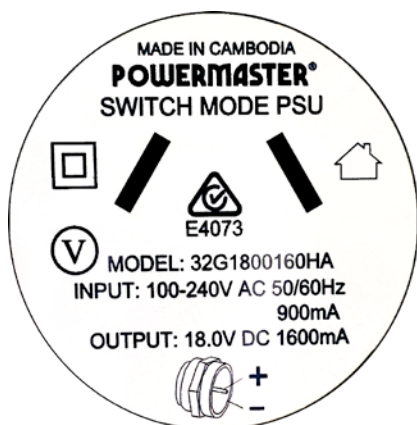
COMPLIANCE

Electrical Safety	Certificate SAA-192806-EA
EMC	EN55032 , EN55024 , EN61000.4.2 , EN61000.4.3
Energy Efficiency	MEPS V

RELIABILITY

Mean Time Between Failure (MTBF)	The power supply is designed to have a MTBF of 50,000 hours.
---	--

RATING PLATE



To view Access' extensive ranges go to: www.accesscomms.com.au

Sydney (Head Office)
Brisbane Sales
Melbourne Office
Adelaide Office

Unit 1, 29 Prince William Drive, Seven Hills NSW 2147
28 The Gateway, Broadmeadows VIC 3047
71 Anzac Highway, Ashford SA 5035

Phone: (02) 9414 8888
Phone: (07) 3308 5555
Phone: (03) 9330 8333
Phone: (08) 8338 5540

sales@accesscomms.com.au
brisbane@accesscomms.com.au
melbourne@accesscomms.com.au
adelaide@accesscomms.com.au