

AC-DC POWER SUPPLY

SINGLE OUTPUT, DESK TOP, 130 WATTS

MEDICAL APPLICATIONS

MUIG130 SERIES



FEATURES

- Active PFC Function
- CEC Compliance
- RoHS Compliance
- Over Voltage Protection Built-in
- Over Current Protection Built-in
- Short Circuit Protection Built-in
- LED Indication
- Meet CEC Level V, VI
- Desktop Package: 7.05" × 2.56" × 1.57" (179 × 65 × 40 mm)
- Safety meets UL/CUL, UL 60601, TUV/SUD, EN/IEC60601, CB, FCC
- MTBF > 30,000Khrs

SELECTION GUIDE All specifications are typical at nominal input, rated output current and 25°C, unless otherwise noted.

Max Output Power W	Output Voltage (Vo) Vdc	Min Load Io	Max Load (Io) A	Load Regulation %	Line Regulation %	Model Number
130	12 - 16	0	6.66	±5	±1	MUIG130-XAVOOP
130	19 - 24	0	7.50	±5	±1	MUIG130-XBVOOP
140	12 - 16	0	4.73	±5	±1	MUIG140-XAVOOP
140	19 - 24	0	8.33	±5	±1	MUIG140-XBVOOP
150	12 - 16	0	5.26	±5	±1	MUIG150-XAVOOP
150	19 - 24	0	9.16	±5	±1	MUIG150-XBVOOP
150	32 - 42	0	5.78	±5	±1	MUIG150-XCVOOP
150	44 - 56	0	10.00	±5	±1	MUIG150-XDVOOP
130	32 - 42	0	6.31	±5	±1	MUIG130-XCVOOP
130	44 - 56	0	5.26	±5	±1	MUIG130-XDVOOP
160	12 - 16	0	9.16	±5	±1	MUIG160-XAVOOP
160	19 - 24	0	5.78	±5	±1	MUIG160-XBVOOP
170	19 - 24	0	10.00	±5	±1	MUIG170-XBVOOP
180	19 - 24	0	6.31	±5	±1	MUIG180-XBVOOP
180	32 - 42	0	2.08	±5	±1	MUIG180-XCVOOP
180	44 - 56	0	2.70	±5	±1	MUIG180-XDVOOP



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MUIG130

RANGE TYPES

OUTPUT VOLTAGE V _{dc}	RANGE TYPE
12-16	A
19-24	B
32-42	C
44-56	D

MODEL DESIGNATION

SERIES	1XX	X	V _O A, B, C or D	V _O	OP
MUIG	Wattage	Plug Type C-14, C-8, C-6, C-18 (See Mechanical Specifications)	See Range Types Chart	Actual Output Voltage	Output Plug Type (See Options Available Page)

Input Specifications

Input range, Vac	100 - 240
Frequency, Hz	50 - 60
Input current, A	≥ 2.0
Inrush current, A	≤ 100 Cold start
Efficiency	Meet CEC Level V, VI
Hold-up time, ms	≥ 8.3
Turn on time, s	≤ 3.0

Output Specifications

Over voltage protection, V _{dc}	Latch off
Over current protection	Auto-recovery
Short circuit protection	Auto-recovery
Over temperature protection	Latch off

Environmental Specifications

Operating temperature range, °C	0 to 40
Storage temperature range, °C	-20 to 85
Operating humidity range, %	10 - 95
Storage humidity range, %	5 - 95

Physical Specifications

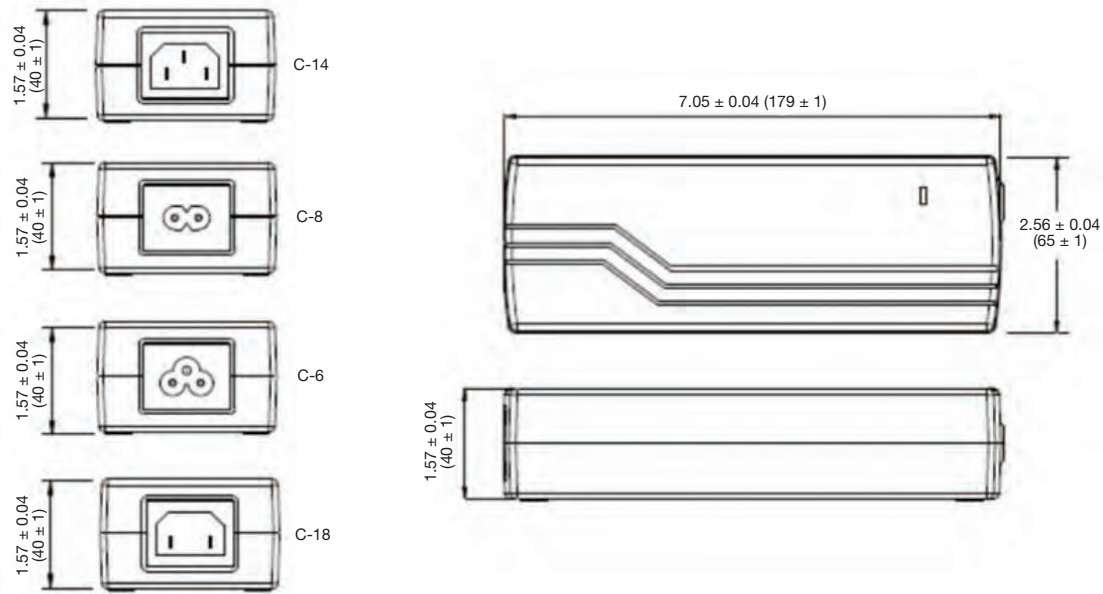
Design meet safety standard	UL/CUL, UL 60601, TUV/SUD, EN/IEC60601, CB, FCC
Dimensions, inches (mm)	7.05 × 2.56 × 1.57 (179 × 65 × 40)
Weight, g	705
AC inlet	C-14, C-8, C-6, C-18

Note:

1. Ripple noise is measure by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1μF ceramic capacitor and parallel with a 47μF aluminum capacitor at full load and nominal line.
2. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3. Max Output Power (W) ≥ V_o × I_o.

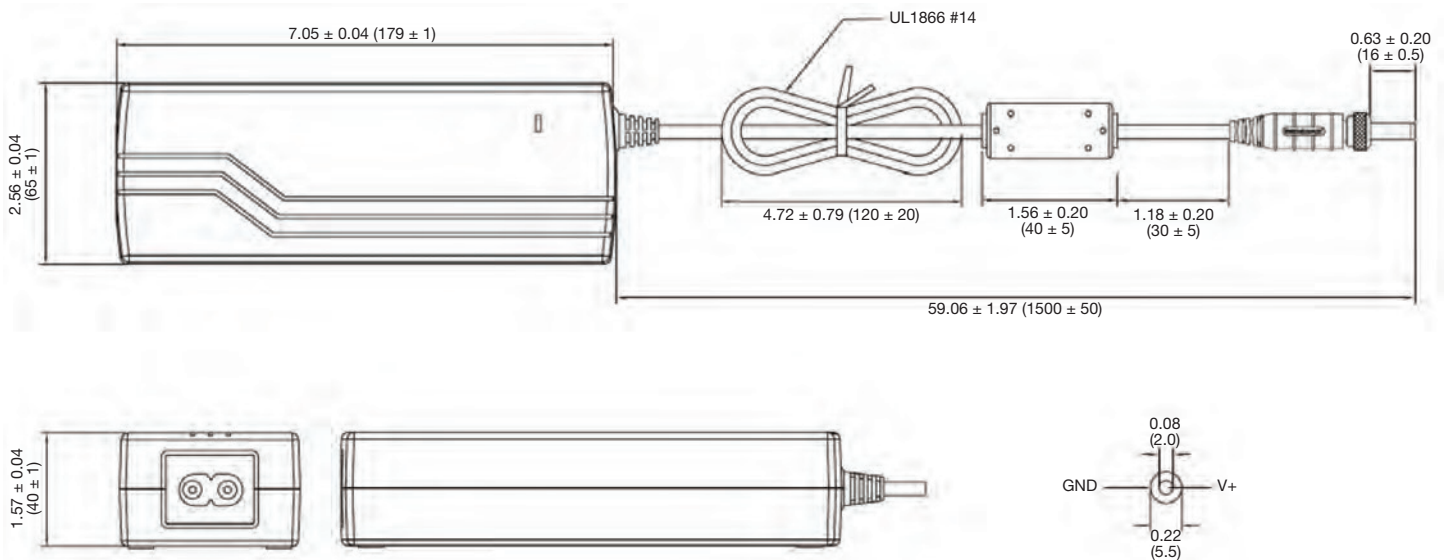
CAUTION: This power module is not internally fused. An input line fuse must always be used.

Mechanical Specifications

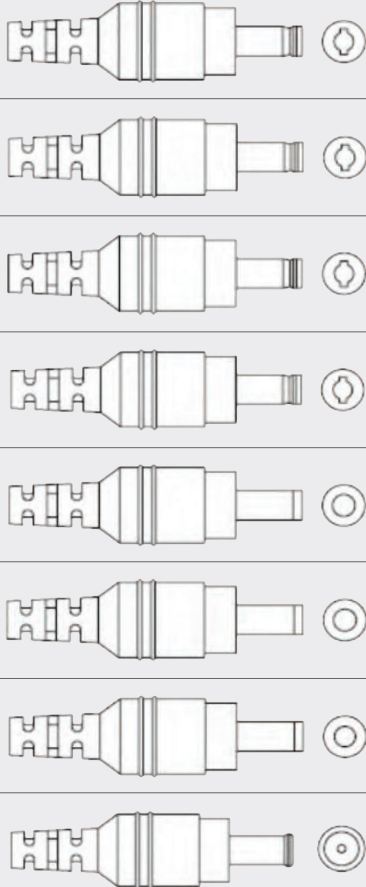
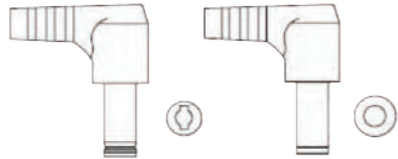
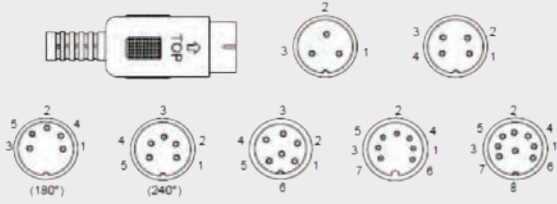


1. All dimensions in inches (mm)

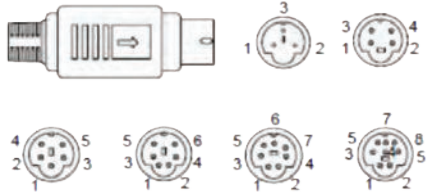
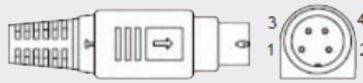
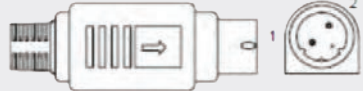
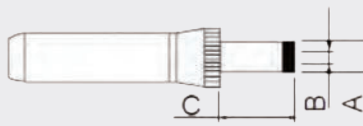
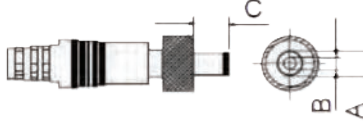
Adapter Cable



Options Available Output Plug Types

Code	Plug Type	Specification	Outline/ Drawing (Contact Factory for Pin Connection Options)
00	Strip and Tined	NC	
01	Barrel Type	5.5 × 2.1	
02		5.5 × 2.5	
03		4.75 × 1.7	
04		4.0 × 1.7	
05		3.5 × 1.35	
06		2.35 × 0.7	
07		6.3 × 3.0	
08		6.5 × 1.4	
11	Barrel Type Right Angle	5.5 × 2.1	
12		5.5 × 2.5	
13		4.75 × 1.7	
14		4.0 × 1.7	
15		3.5 × 1.35	
16		2.35 × 0.7	
17		6.3 × 3.0	
18		6.5 × 1.4	
21	Din (male)	3Pin	
22		4Pin	
23		5Pin(180°)	
24		5Pin(240°)	
25		6Pin	
26		7Pin	
27		8Pin	

Options Available Output Plug Types (cont.)

Code	Plug Type	Specification	Outline/ Drawing (Contact Factory for Pin Connection Options)					
31	Mini-Din (male)	3Pin						
32		4Pin						
33		5Pin						
34		6Pin						
35		7Pin						
36		8Pin						
41	Power-Mini Din (male)	3Pin (Molding)						
42		4Pin (Molding)						
45		3Pin (Assembly/Lock Type)						
46		4Pin (Assembly/Lock Type)	 <table data-bbox="1431 978 1541 1068"><tr><th>Pin #</th><th>Output</th></tr><tr><td>2, 4</td><td>+V</td></tr><tr><td>1, 3</td><td>-V</td></tr></table>	Pin #	Output	2, 4	+V	1, 3
Pin #	Output							
2, 4	+V							
1, 3	-V							
61	Interchangable Connector	2Pin						
62		2Pin						
63		3Pin						
71	Switchcraft Locking Type	A:5.5, B:2.5, C:0.375" (9.52mm)						
72		A:5.5, B:2.5, C:0.475" (12.06mm)						
73		A:5.5, B:2.1, C:0.375" (9.52mm)						
74		A:5.5, B:2.1, C:0.475" (12.06mm)						
81	DC Jack with Screw	A:5.5, B:2.1, C:7.5						
82		A:5.5, B:2.1, C:10.1						
91	Cigarette Lighter							