

# AC-DC SINGLE OUTPUT DESKTOP

## 40-65 WATTS

### INDUSTRIAL APPLICATIONS

#### UIM65 SERIES



#### FEATURES

- DoE VI/CoC Tier II Compliance
- LPS Compliance
- RoHS Compliance
- Protection Built-in
- Meets UL 62368-1
- Over Current/Over Voltage/Short Circuit
- Over Temperature (Optional)
- LED Indication
- MTBF > 100,000Khrs

#### SELECTION GUIDE

All specifications are typical at 230Vac input, full load and 25°C, unless otherwise noted.

Max Output Power (W)	Output Voltage (Vo)	Min Load (Io)	Max Load (Io) A	Load Regulation %	Line Regulation %	Model Number	Ripple & Noise mV
40	12~16	0	3.33	±5	±1	UIM65-XA	240
40	18~24	0	2.10	±5	±1	UIM65-XB	360
40	32~42	0	1.25	±5	±1	UIM65-XC	630
40	44~56	0	0.90	±5	±1	UIM65-XD	840
50	12~16	0	4.16	±5	±1	UIM65-XE	240
50	18~24	0	2.63	±5	±1	UIM65-XF	360
50	32~42	0	1.56	±5	±1	UIM65-XG	630
50	44~56	0	1.13	±5	±1	UIM65-XH	840
60	12~16	0	5.00	±5	±1	UIM65-XJ	240
60	18~24	0	3.15	±5	±1	UIM65-XK	360
60	32~42	0	1.87	±5	±1	UIM65-XW	630
60	44~56	0	1.36	±5	±1	UIM65-XM	840
65	12~16	0	5.41	±5	±1	UIM65-XN	240
65	18~24	0	3.42	±5	±1	UIM65-XP	360
65	32~42	0	2.03	±5	±1	UIM65-XQ	630
65	44~56	0	1.47	±5	±1	UIM65-XR	840

#### UIM65 - XY - vvPP

**x:** Case Type: 1.C-14, 2.C-8, 3.C-6, 6.C-18

**Y:** Output Range

**vv:** Output Voltage

**PP:** DC Connector (Please refer to appendix pages.)

## UIM65 SERIES

### Input Specifications

Voltage range, Vac	100-240	
Input frequency, Hz	50-60	
Input current, A	≤ 2.0	230Vac
Turn on time, s	≤ 3.0	
Hold-up time, ms	≤ 8.3	
Input inrush current, A	120	At cold start

### Output Specifications

Over voltage protection, %	Latch off
Over current protection, %	Auto-recovery
Short Circuit protection, %	Auto-recovery
Over Temperature protection, %	Option / Latch-off

### Environmental Specifications

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

### Physical Specifications

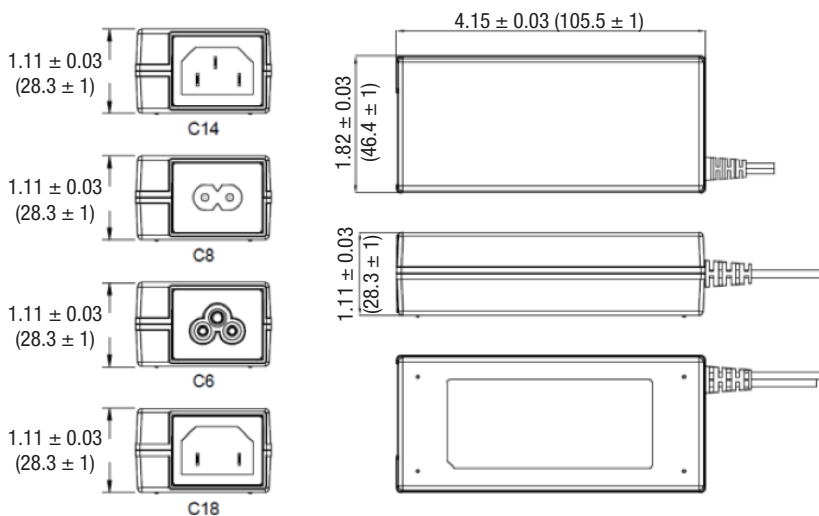
Design meets safety standard	UL/CUL 62368-1, TUV EN62368-1, CB IEC62368-1, CE, FCC, Assigned model certified with BSMI, PSE, KC, BIS
Weight, g	300
Efficiency	Meet CEC Level VI, CoC Tier 2
Dimensions, inches (mm)	4.13 x 1.82 x 1.11 (105 x 46.4 x 28.3)
AC inlet	C-14, C-8, C-6, C-18

#### Note:

1. Ripple noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1mF ceramic capacitor and Parallel with 47mF aluminum capacitor at full load and nominal line.
2. Line regulation is defined by changing  $\pm 10\%$  of input voltage from nominal line at rated load.
3. Max Output Power (W)  $\approx V_o \times I_o$ .

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


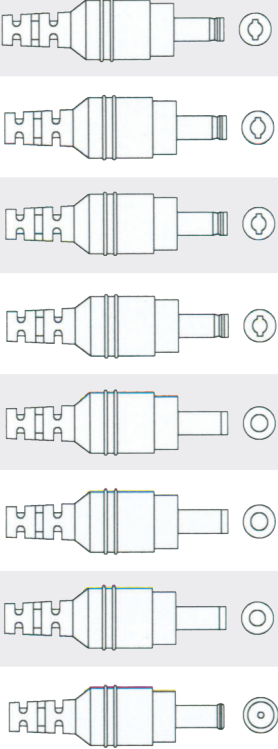

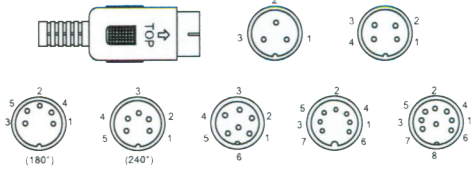
### Mechanical Drawing



1. All dimensions in inch (mm)

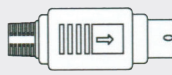
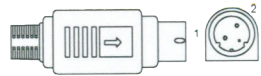
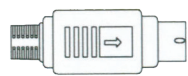
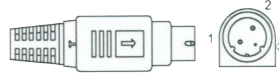
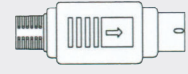
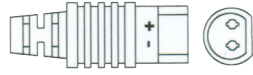
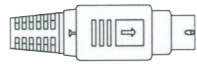

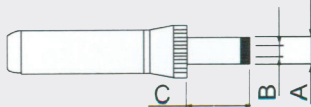
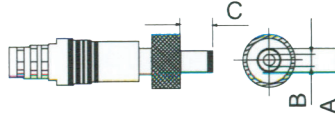
**UIM65 SERIES**

**Plug List of Output Cable**

Code	Plug Type	Specification	Outline / Drawing
00	Strip & 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	

**UIM65 SERIES**

**Plug List of Output Cable (cont.)**

Code	Plug Type	Specification	Outline / Drawing
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)	
61	Interchangeable 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:2.5 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		