

## AC-DC SINGLE OUTPUT DESKTOP

### 25-72 WATTS

#### INDUSTRIAL APPLICATIONS

#### UI72/PA SERIES



#### FEATURES

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

#### 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)	Load Regulation %	Line Regulation %	Model Number	Ripple & Noise mV
25	5~9	0	5.00A	±5	±3	UI72PAxA	180
40	12~16	0	3.33A	±5	±3	UI72PAxB	240
40	18~24	0	2.10A	±5	±3	UI72PAxC	360
40	32~42	0	1.25A	±5	±3	UI72PAxD	630
40	44~56	0	0.90A	±5	±3	UI72PAxE	840
30	5~9	0	6.00A	±5	±3	UI72PAxF	180
50	12~16	0	4.16A	±5	±3	UI72PAxG	240
50	18~24	0	2.63A	±5	±3	UI72PAxH	360
50	32~42	0	1.56A	±5	±3	UI72PAxJ	630
50	44~56	0	1.13A	±5	±3	UI72PAxK	840
40	5~9	0	8.00A	±5	±3	UI72PAxW	180
35	5~9	0	7.00A	±5	±3	UI72PAxM	180
60	12~16	0	5.00A	±5	±3	UI72PAxN	240
60	18~24	0	3.15A	±5	±3	UI72PAxP	360
60	32~42	0	1.87A	±5	±3	UI72PAxQ	630
60	44~56	0	1.36A	±5	±3	UI72PAxR	840
65	12~16	0	5.42A	±5	±3	UI72PAxY	240
45	5~9	0	9.00A	±5	±3	UI72PAxS	180
72	12~16	0	6.00A	±5	±3	UI72PAxU	240
72	18~24	0	3.78A	±5	±3	UI72PAxV	360
72	32~42	0	2.25A	±5	±3	UI72PAxL	630
72	44~56	0	1.63A	±5	±3	UI72PAxT	840

#### UI72PAxY - 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.)

## UI72PA 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

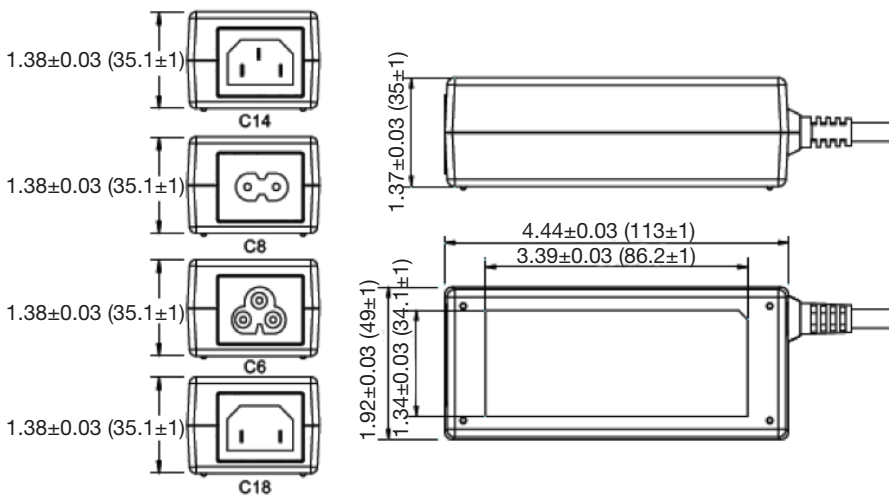
Design meets safety standard	UL/CUL 62368-1, TUV EN62368-1, CB IEC62368-1, CE, FCC
Weight, g	300
Efficiency	Meet CEC Level VI, CoC Tier 2
Dimensions, inches (mm)	4.44 × 1.92 × 1.3 (113 × 49 × 35)
AC inlet	C-14, C-8, C-6, C-18

#### Note:

1. Ripple noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1mF ceramic capacitor & Parallel with 47mF 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) <sup>3</sup> Vo x Io.

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

### Mechanical Drawing



1. All dimensions in inch (mm)

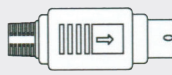
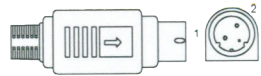
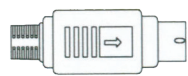
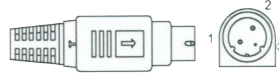
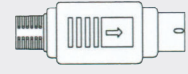
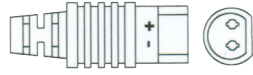
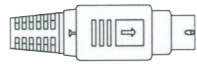

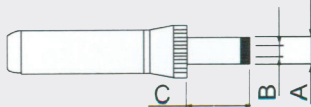
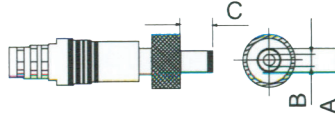
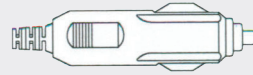

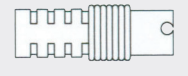

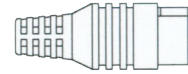

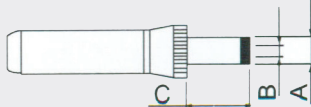
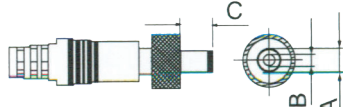
## UI72PA SERIES

### 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	

## UI72PA 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		