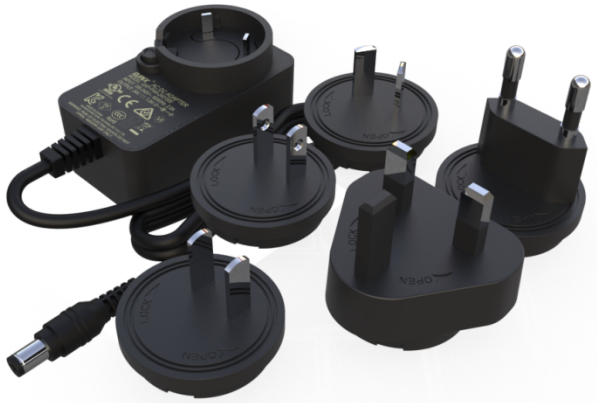




- Designed in USA, Made in China
- Global Certificates.
- Case Material: PC
- Fully sealed by ultrasonic welding.
- Capacitor imported from Japan.
- Support Interchangeable plug, EU, UK, US, AU, KR, JP, and CN Optional.
- Protection: Over Load/Over Voltage/Over Current/Over Temp/Short-Circuit.
- LED indicator show work status
- Meet Energy Efficiency VI, Comply with CEC VI, DOE VI.
- Comply With The Newest Safety Standard: UL62368, EN62368, IEC62368, IEC60950, IEC61558, and IEC60335.
- Support customized Label and DC connector.



| MODEL NUMBER    | OUTPUT VOLTAGE | OUTPUT CURRENT (MAX) | RIPPLE & NOISE NOTE 1 | VOLTAGE ACCURACY NOTE 2 | LINE REGULATION NOTE 3 | LOAD REGULATION NOTE 4 | % EFF. (Typ.) NOTE 5 |
|-----------------|----------------|----------------------|-----------------------|-------------------------|------------------------|------------------------|----------------------|
| QXP-PAW-0503000 | 5 V            | 2.0A                 | < 150mV               | ±4%                     | ±1%                    | ±6%                    | 79%                  |
| QXP-PAW-1202000 | 12 V           | 1.0A                 |                       | ±2%                     | ±1%                    | ±5%                    | 83%                  |
| QXP-PAW-1203000 | 12 V           | 2.0A                 |                       | ±2%                     | ±1%                    | ±3%                    | 87%                  |
| QXP-PAW-1502400 | 15 V           | 2.0A                 |                       | ±2%                     | ±1%                    | ±2%                    | 87%                  |
| QXP-PAW-1902000 | 19 V           | 1.2A                 |                       | ±2%                     | ±1%                    | ±2%                    | 87%                  |
| QXP-PAW-2401500 | 20 V           | 1.0A                 |                       | ±2%                     | ±1%                    | ±2%                    | 88%                  |
| QXP-PAW-2401000 | 24 V           | 1.0A                 |                       | ±2%                     | ±1%                    | ±2%                    | 88%                  |
| QXP-PAW-3601000 | 36 V           | 0.5A                 |                       | ±2%                     | ±1%                    | ±2%                    | 88%                  |

\*Output from 5V to 48V can be selected, Max 24Watts. Please [contact us](#) to order specifications.

**Note:**

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for ripple & noise measuring @20MHz BW.
2. Voltage accuracy is set at 60% full load.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% full load (60%±40% full load).
5. Typical efficiency at 230Vac and 75% full load at 25°C.

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All parameters are specified at 25° C ambient for all products unless otherwise indicated.  
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## TECHNICAL SPECIFICATIONS:

(All specifications are typical at nominal input, full load at 25°C unless otherwise noted.)

### INPUT

| PARAMETER                | NOTES and CONDITIONS                        | Device | Min.     | Typ. | Max. | Units |
|--------------------------|---------------------------------------------|--------|----------|------|------|-------|
| Operating Voltage Range  |                                             | All    | 100      |      | 240  | Vac   |
| Input Frequency Range    |                                             | All    | 47<br>63 |      |      | Hz    |
| Maximum Input Current    | 100% Load, V <sub>in</sub> =100Vac          | All    |          |      | 1.5  | A     |
| Leakage Current (Touch)  |                                             | All    |          |      | 100  | uA    |
| Under Voltage Protection |                                             | All    | 48<br>67 |      |      | Vac   |
| Inrush Current           | V <sub>in</sub> =240Vac, Cold start at 25°C | All    |          |      | 80   | A     |

### OUTPUT

| PARAMETER  | CONDITIONS | Device | Min. | Typ. | Max. | Units |
|------------|------------|--------|------|------|------|-------|
| regulation |            | All    |      | ±5   |      | Vac   |

### PROTECTIONS

| PARAMETER                | NOTES and CONDITIONS            | Device | Min. | Typ. | Max. | Units |
|--------------------------|---------------------------------|--------|------|------|------|-------|
| over voltage protection  | output latch off                | All    |      |      | 150  | %     |
| over current protection  | output shut down, auto recovery | All    | 180  |      |      | %     |
| short circuit protection | output shut down, auto recovery | All    | 180  |      |      | %     |

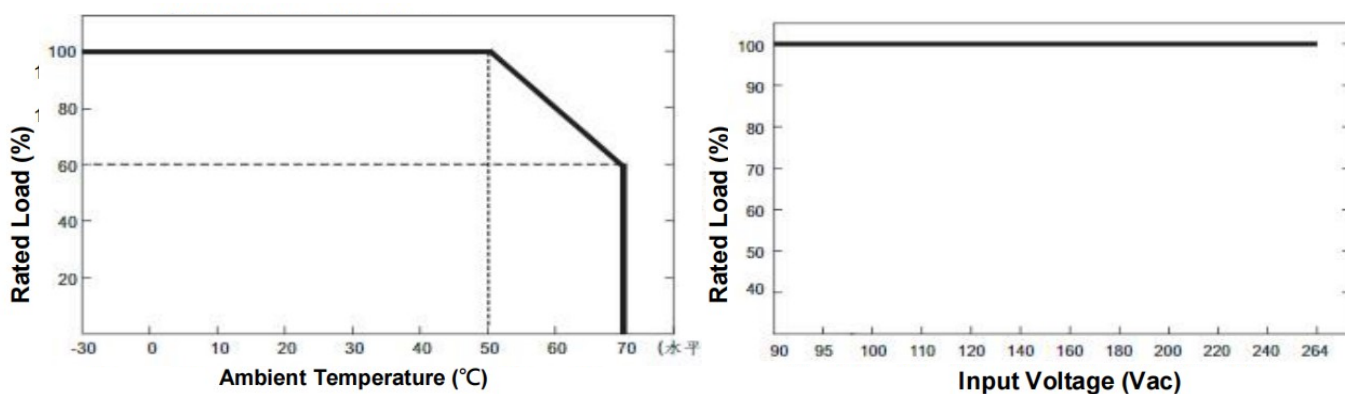
### SAFETY & COMPLIANCE

| PARAMETER            | NOTES and CONDITIONS                        | Device | Min.   | Typ. | Max. | Units |
|----------------------|---------------------------------------------|--------|--------|------|------|-------|
| isolation voltage    | input to output at 10 mA for 1 minute       | All    |        | 3000 |      | Vac   |
|                      | input to frame ground at 10 ma for 1 minute | All    |        | 1500 |      | Vac   |
| isolation resistance | input to output at 500 Vdc                  | All    |        | 10   |      | MΩ    |
|                      | input to frame ground at 500 Vdc            |        |        | 10   |      | MΩ    |
| safety approvals     | UL/cUL (60950-1, 62368-1), PSE, LPS, UKCA   | All    |        |      |      |       |
| EMI/EMC              | FCC Part 15B Class B, CE                    | All    |        |      |      |       |
| MTBF                 | as per Telcordia SR-332, 25°C               | All    | 50,000 |      |      | Hours |
| RoHS                 | Yes                                         | All    |        |      |      |       |

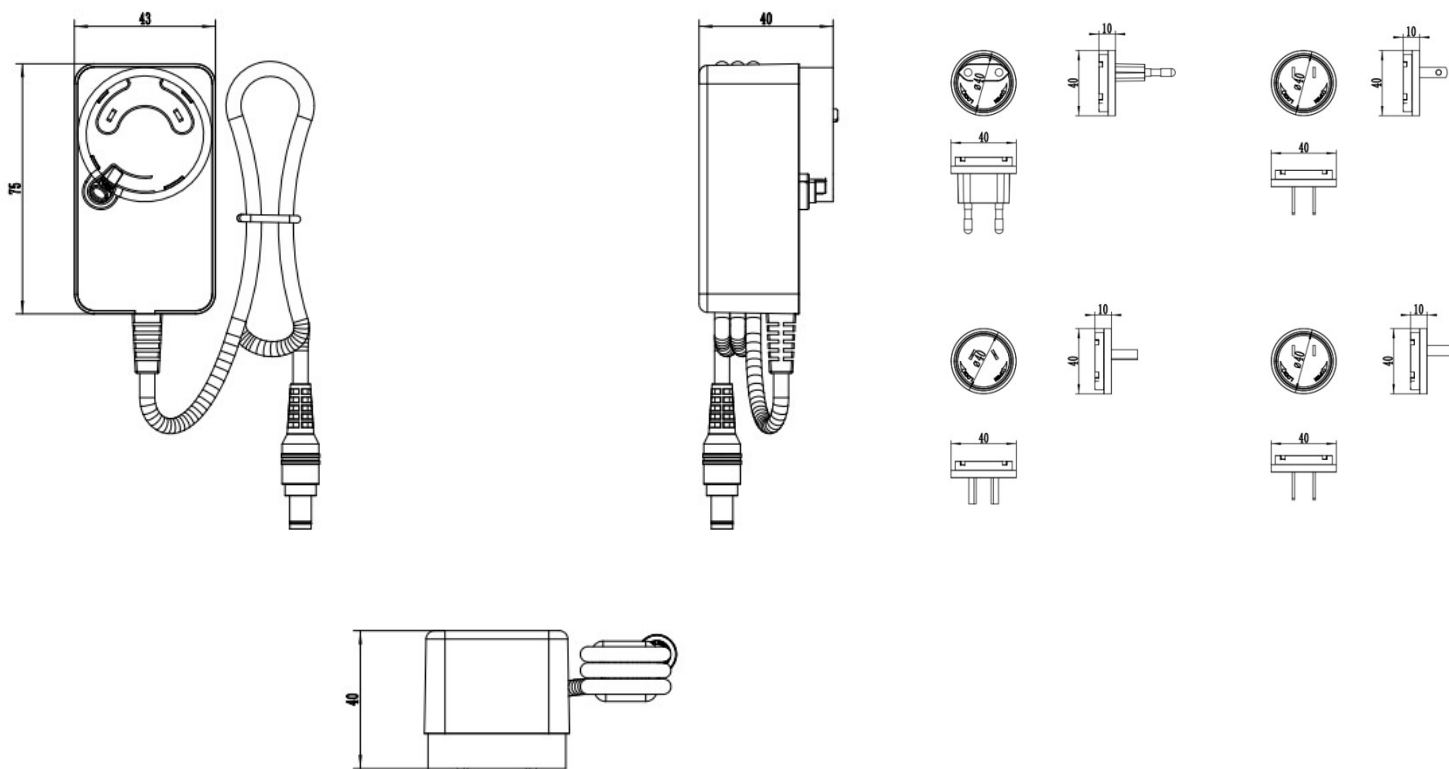
## ENVIRONMENTAL

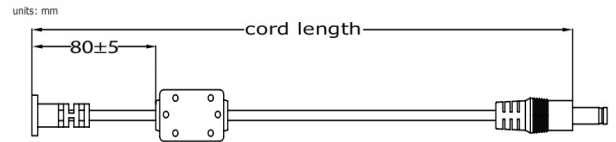
| PARAMETER             | NOTES and CONDITIONS | Device | Min. | Typ. | Max | Units |
|-----------------------|----------------------|--------|------|------|-----|-------|
| operating temperature | 12-48W output models | All    | -40  |      | 60  | °C    |
| storage temperature   | Non-condensing       | All    | -20  |      | 80  | °C    |
| operating humidity    | non-condensing       | All    | 20   |      | 80  | %     |
| storage humidity      | non-condensing       | All    | 10   |      | 90  | %     |

## Power Derating Curve

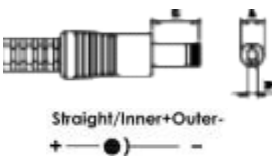
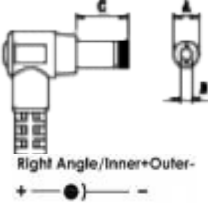
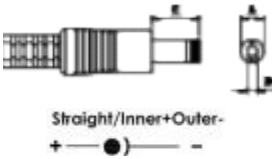
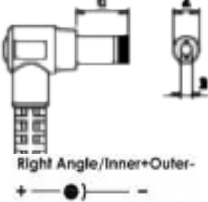
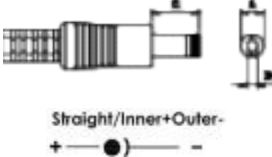
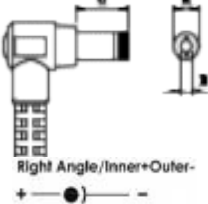


## Mechanical Specification (mm)





Optional DC plug: (Available in customized cable or quick adapter)

| DC Plug Type                                                                                                             | Cable Number-XXXXX | A       | B       | C      | Cable Type | Cord Length            | Cable AWG                                             |
|--------------------------------------------------------------------------------------------------------------------------|--------------------|---------|---------|--------|------------|------------------------|-------------------------------------------------------|
|                                                                                                                          |                    | OD (mm) | ID (mm) | L (mm) |            |                        |                                                       |
| <br>Straight/Inner+Outer-<br>+ ● -      | 11Q01              | Φ5.5    | Φ2.1    | 12     | UL2464     | 1220mm<br>without Core | 22AWG for Vo: 5V, 12V                                 |
|                                                                                                                          | 12Q01              | Φ5.5    | Φ2.5    | 12     |            |                        |                                                       |
|                                                                                                                          | 23Q01              | Φ5.5    | Φ2.1    | 9.5    |            |                        |                                                       |
|                                                                                                                          | 26Q01              | Φ5.5    | Φ2.5    | 9.5    |            |                        |                                                       |
| <br>Right Angle/Inner+Outer-<br>+ ● -   | 01Q01              | Φ5.5    | Φ2.1    | 12     |            |                        |                                                       |
|                                                                                                                          | 02Q01              | Φ5.5    | Φ2.5    | 12     |            |                        |                                                       |
|                                                                                                                          | 21Q01              | Φ5.5    | Φ2.5    | 9.5    |            |                        |                                                       |
|                                                                                                                          | 24Q01              | Φ5.5    | Φ2.1    | 9.5    |            |                        |                                                       |
| <br>Straight/Inner+Outer-<br>+ ● -    | 11Q02              | Φ5.5    | Φ2.1    | 12     | UL1185     | 1220mm<br>without Core | 20AWG for Vo: 15V                                     |
|                                                                                                                          | 12Q02              | Φ5.5    | Φ2.5    | 12     |            |                        |                                                       |
|                                                                                                                          | 23Q02              | Φ5.5    | Φ2.1    | 9.5    |            |                        |                                                       |
|                                                                                                                          | 26Q02              | Φ5.5    | Φ2.5    | 9.5    |            |                        |                                                       |
| <br>Right Angle/Inner+Outer-<br>+ ● - | 01Q02              | Φ5.5    | Φ2.1    | 12     |            |                        |                                                       |
|                                                                                                                          | 02Q02              | Φ5.5    | Φ2.5    | 12     |            |                        |                                                       |
|                                                                                                                          | 21Q02              | Φ5.5    | Φ2.5    | 9.5    |            |                        |                                                       |
|                                                                                                                          | 24Q02              | Φ5.5    | Φ2.1    | 9.5    |            |                        |                                                       |
| <br>Straight/Inner+Outer-<br>+ ● -    | 11Q03              | Φ5.5    | Φ2.1    | 12     | UL1185     | 1220mm                 | 22AWG for Vo: 18V, 19V<br>22AWG for Vo: 24V, 36V, 48V |
|                                                                                                                          | 12Q03              | Φ5.5    | Φ2.5    | 12     |            |                        |                                                       |
|                                                                                                                          | 23Q03              | Φ5.5    | Φ2.1    | 9.5    |            |                        |                                                       |
|                                                                                                                          | 26Q03              | Φ5.5    | Φ2.5    | 9.5    |            |                        |                                                       |
| <br>Right Angle/Inner+Outer-<br>+ ● - | 01Q03              | Φ5.5    | Φ2.1    | 12     |            |                        |                                                       |
|                                                                                                                          | 02Q03              | Φ5.5    | Φ2.5    | 12     |            |                        |                                                       |
|                                                                                                                          | 21Q03              | Φ5.5    | Φ2.5    | 9.5    |            |                        |                                                       |
|                                                                                                                          | 24Q03              | Φ5.5    | Φ2.1    | 9.5    |            |                        |                                                       |

※Other DC Plug Type please refer to the link: [Plugs options](#)

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