

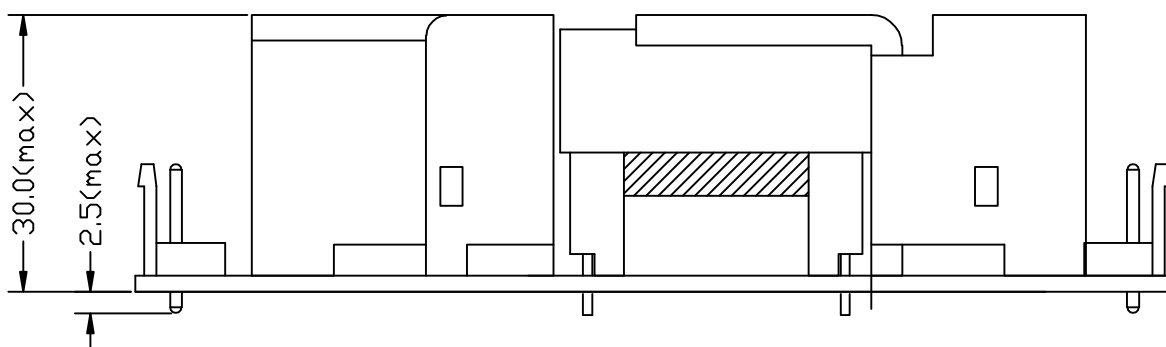
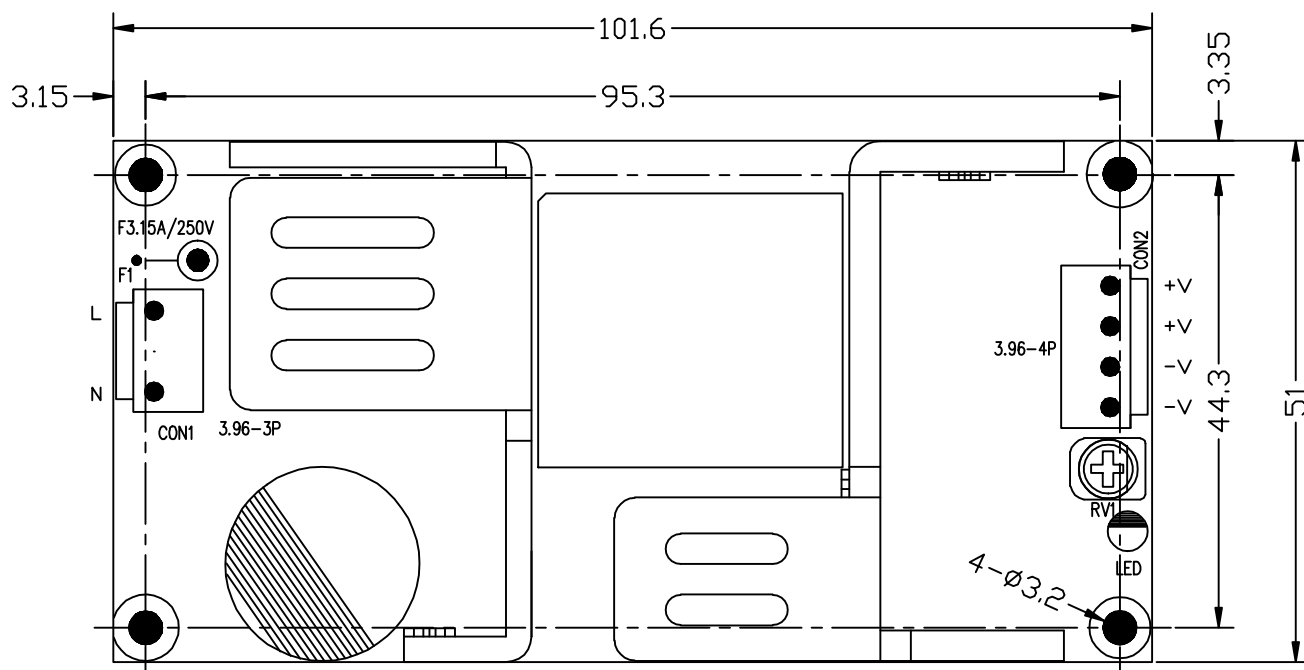
**Features:**

- Universal AC input/ Full range
- Wide Operating Ambient Temperature (-25°C~70°C)
- High Efficiency, low power consumption
- Output Protections: OLP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test



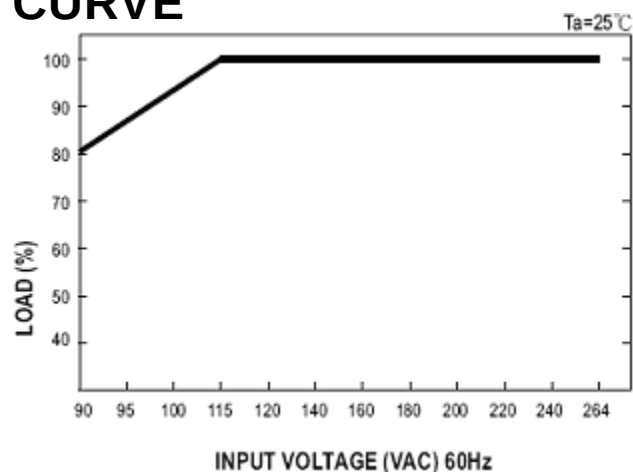
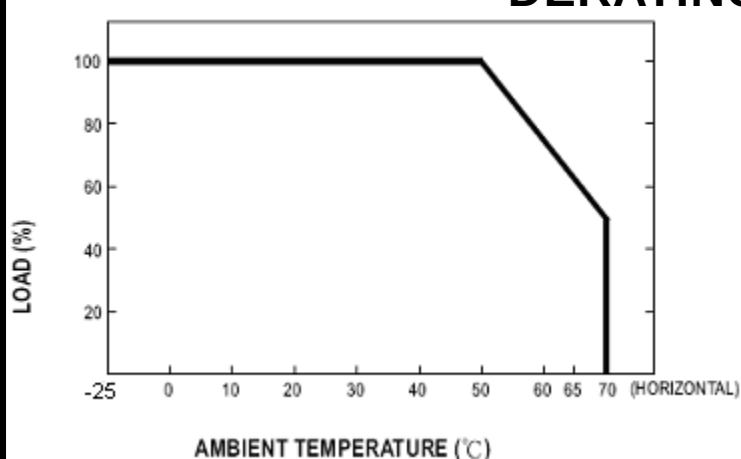
| Model                         |              | QPS-60-5                                                                                 | QPS-60-12  | QPS-60-15  | QPS-60-24  | QPS-60-48  |
|-------------------------------|--------------|------------------------------------------------------------------------------------------|------------|------------|------------|------------|
| Output Characteristics        |              |                                                                                          |            |            |            |            |
| DC Output                     |              | 5V                                                                                       | 12V        | 15V        | 24V        | 48V        |
| Rated Current                 |              | 8A                                                                                       | 4.5A       | 3.6A       | 2.5A       | 1.25A      |
| Current Range                 |              | 0~8A                                                                                     | 0~4.5A     | 0~3.6A     | 0~2.5A     | 0~1.25A    |
| Ripple and Noise              | 0~70°C       | <50mV                                                                                    | <120mV     | <120mV     | <120mV     | <240mV     |
|                               | -25~0°C      | <200mV                                                                                   | <300mV     | <300mV     | <300mV     | <360mV     |
| Voltage ADJ. Range            |              | 4.5~5.5V                                                                                 | 11.2~13.4V | 13.8~16.5V | 22.2~27.9V | 45.0~53.2V |
| Voltage Accuracy              |              | ±3.0%                                                                                    |            |            |            |            |
| Line Regulation               |              | ±0.5%                                                                                    |            |            |            |            |
| Load Regulation               |              | ±2.0%                                                                                    |            |            |            |            |
| Set-up Time                   |              | ≤1.0s (230VAC input, full load)                                                          |            |            |            |            |
| Hold-up Time                  |              | ≥20ms (230VAC input, full load)                                                          |            |            |            |            |
| Temperature Coefficient       |              | ±0.03%/°C                                                                                |            |            |            |            |
| Overshoot and Undershoot      |              | <5.0%                                                                                    |            |            |            |            |
| Input Characteristics         |              |                                                                                          |            |            |            |            |
| Voltage Range                 |              | 90VAC~264VAC, 127VDC~370VDC                                                              |            |            |            |            |
| Frequency Range               |              | 47Hz-63Hz                                                                                |            |            |            |            |
| Efficiency (Typical)          | 115VAC Input | 79%                                                                                      | 83%        | 84%        | 87%        | 85%        |
|                               | 230VAC Input | 82%                                                                                      | 85%        | 85%        | 87%        | 88%        |
| AC Current (max)              |              | <1.5A                                                                                    |            |            |            |            |
| Inrush Current (Typical)      |              | 30A@115VAC Cold start 60A@230VAC Cold start                                              |            |            |            |            |
| Leakage Current               |              | <0.25mA                                                                                  |            |            |            |            |
| Protection                    |              |                                                                                          |            |            |            |            |
| Over Load (OLP)               |              | 105%~180% of rated output current, hiccup mode, auto recover                             |            |            |            |            |
| Over Voltage (OVP)            |              | 110%~150% of rated output voltage, constant voltage                                      |            |            |            |            |
| Short Circuit (SCP)           |              | Long-term mode, auto recovery                                                            |            |            |            |            |
| Environmental Characteristics |              |                                                                                          |            |            |            |            |
| Operating Amb. Temp. & Hum    |              | -25°C~70°C; 20%~90% RH Non-Condensing                                                    |            |            |            |            |
| Storage Temp. & Hum           |              | -40°C~85°C: 10%-95% RH Non-Condensing                                                    |            |            |            |            |
| Safety Standards              |              | UL60950-1; EN60950-1: 2006                                                               |            |            |            |            |
| Withstand Voltage             |              | Primary-Secondary: 3.0KVAC;≤10mA.                                                        |            |            |            |            |
| Isolation Resistance          |              | ≥100M ohms                                                                               |            |            |            |            |
| EMI Conduction & Radiation    |              | Compliance to EN55022(CISPR22) Class B                                                   |            |            |            |            |
| Harmonic Current              |              | Compliance to EN61000-3-2, -3                                                            |            |            |            |            |
| EMS Immunity                  |              | Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV50204, light industry level, criteria A |            |            |            |            |
| General Characteristics       |              |                                                                                          |            |            |            |            |
| MTBF (MIL-HDBK-217F)          |              | More than 200,000Hrs (25°C, Full load)                                                   |            |            |            |            |
| Dimension (LxWxH)             |              | 101.6x50.8x30mm                                                                          |            |            |            |            |
| Packing                       |              | 60PCS/CTN. G.W: 12kgs                                                                    |            |            |            |            |
| Cooling Method                |              | Cooling by free air convection                                                           |            |            |            |            |

## MECHANICAL SPECIFICATIONS



| ITEM          | CONNECTOR                                  | MATING HOUSING              | TERMINAL                                 |
|---------------|--------------------------------------------|-----------------------------|------------------------------------------|
| AC IN (CON1)  | LANDWIN 3961P0300T<br>(CENTER PIN REMOVED) | LANDWIN 3960S OR<br>JST VHR | LANDWIN 3963T011R OR<br>JST SVH-21T-P1.1 |
| DC OUT (CON2) | LANDWIN 3961P0400T                         | OR MOLEX 51144              | OR MOLEX 50539                           |

## DERATING CURVE



UNIT: mm

# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct      +86 (21) 6401-6692  
Email        amall@ameya360.com  
QQ            800077892  
Skype        ameyasales1 ameyasales2

➤ Customer Service :

Email        service@ameya360.com

➤ Partnership :

Tel            +86 (21) 64016692-8333  
Email        mkt@ameya360.com