



# 36W POWER ADAPTER SINGLE OUTPUT DA-36 Series



## ■Applications

- .Industrial automation machinery
- .Industrial control system
- .Testing and measuring instruments
- .Household appliances
- .Led lighting appliances
- .Aging equipment
- .IT communication equipment

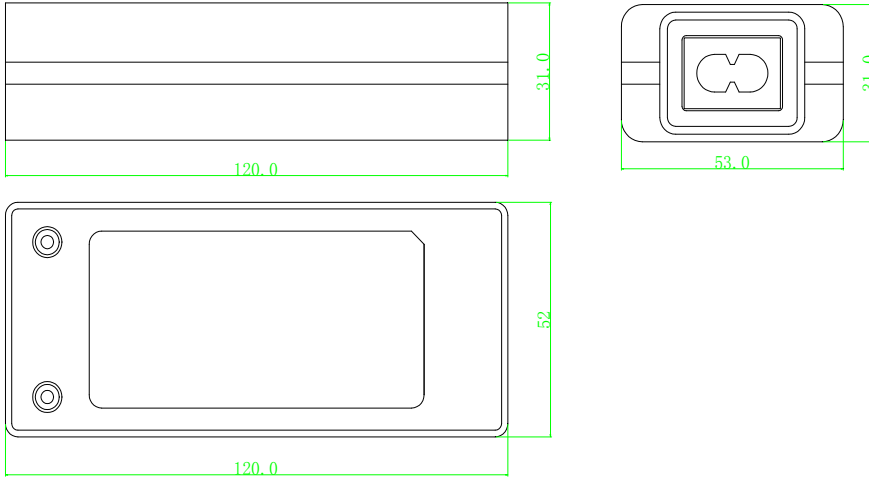
## ■Features

- Universal input voltage
- Protection: short-circuit, overload
- 100% full-load aged
- Withstand 300VAC surge input for 5 seconds
- 20~+60°C Working temperature
- 5G vibration tested
- High efficiency, long life span, and high reliability
- 3 years warranty

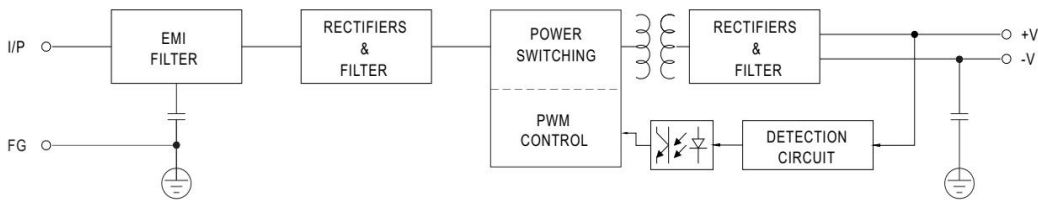
## Specifications

| Product No.                |  | DA-36-12   | DA-36-24 |  |  |  |
|----------------------------|--|--|----------|--|--|--|
| Output                     | DC voltage   | 12V  | 24V      |  |  |  |
|                            | Rated Current  | 3A   | 1.5A     |  |  |  |
|                            | Current Range  | 0-3A   | 0-1.5A   |  |  |  |
|                            | Rated Power  | 36W  | 36W      |  |  |  |
|                            | Ripple and Noise(Max)Note.2  | 150mVp-p   | 240mVp-p |  |  |  |
|                            | Voltage adjustment   |  |          |  |  |  |
|                            | Voltage Accuracy Note3   | ±1%  | ±1%      |  |  |  |
|                            | Linear Adjustment Note4  | ±0.5%  | ±0.5%    |  |  |  |
|                            | Load Adjustment Note5  | ±0.5%  | ±0.5%    |  |  |  |
|                            | Start and rise time  | 1000ms,30ms/230VAC 1000ms,30ms/110V  |          |  |  |  |
| Hold time (Typ)            | 50ms/230VAC 10ms/115AC   |  |          |  |  |  |
| Input                      | Voltage range  | 100-240V   |          |  |  |  |
|                            | Frequency range  | 50-60Hz  |          |  |  |  |
|                            | Efficiency (Typ)   | 80%  | 82%      |  |  |  |
|                            | AC current (Typ)   | 0.8A/90V 0.33A/220V  |          |  |  |  |
|                            | Surge current (Typ)  | Cold Start: 65A/230VAC   |          |  |  |  |
|                            | Current leak   | <2mA/240VAC  |          |  |  |  |
| Protection                 | Overload   | >105% rated output power   |          |  |  |  |
|                            |  | Protection type : Hiccup mode, recovers automatically after fault condition is removed |          |  |  |  |
|                            | Overvoltage  |  |          |  |  |  |
|                            | Overheat   |  |          |  |  |  |
| Environment                | Working temp.  | -20~+60°C (Refer to the tenuation curve)   |          |  |  |  |
|                            | Working humidity   | 20~90% RH, without condense  |          |  |  |  |
|                            | Storage temp & hmdty   | -40~+80°C  |          |  |  |  |
|                            | Temp. coefficient  | ±0.03%/°C (0~50°C)   |          |  |  |  |
|                            | Vibration proof  | 10~500HZ,5G 10min / cycle, X、Y、Z axes 60 min each                                      |          |  |  |  |
| Safety reg. & EMC (Note.6) | Safety regulation  | GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD)  |          |  |  |  |
|                            | Voltage proof  | I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC  |          |  |  |  |
|                            | insulation resistance  | I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH                                    |          |  |  |  |
|                            | EMC irradiation  | EN 55032A:2006;EN61000-3-2:1995+A2:2005  |          |  |  |  |
|                            | EMC disturbance proof  | EN 61000-3-2:2006;   |          |  |  |  |
|                            | Dimensions   | 120*53*31mm  |          |  |  |  |
|                            | Packing  | 0.25Kg/PCS;50PCS/12.5kg  |          |  |  |  |
| Notes:                     | 1. All parameters NOT specially mentioed are measured at 230VAC input, rated load and 25°C of ambient temperature.<br>2.Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF and a 47 μF parallel capacitor.<br>3.Accuracy: including preset errors, linear adjustment rate and load adjustment rate.<br>4.Linear adjustment: taken under rated load from low voltage to high voltage.<br>5.Load adjustment: taken under 0~100% of rated load.<br>6. The power supply is taken as part of the whole system, and needs to be confirmed with final equipment for EMC. |  |          |  |  |  |

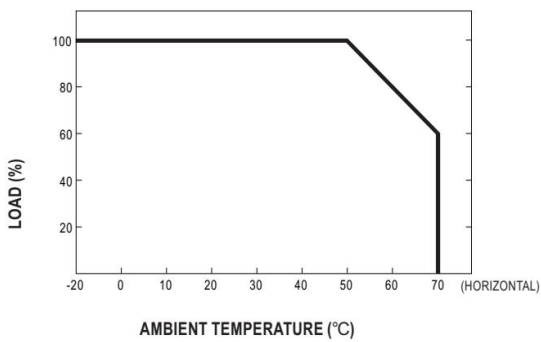
■ Mechanical Specification



■ Block Diagram



■ Derating Curve



■ Output Derating VS Input Voltage

