



Dimensions:108(L)x69(W)x42(H)mm

### Features:

- Convection cooled
- RoHS compliance
- 3 - year warranty
- Great reliability
- Overvoltage protection
- Low voltage protection
- Ovrload protection
- Short circuit protection
- Two-step charging control
- Reverse polarity protection
- Over heating protection

## General Specifications

### INPUT

Input voltage.....13-15VDC  
Input current .....5A Max.




### OUTPUT

Temp. Coefficient .....±0.04% / °C  
Overvoltage protection .....Autorecovery  
Overload protection ..... Power limited  
Short circuit protection..... Autorecovery  
Transient response. .. (Load change 50% to 100%)  
Voltage deviation .....5%  
Recovery time .....2mS

### EMC STANDARDS

|               |         |
|---------------|---------|
| EN 55011      | Class B |
| EN 55022      | Class B |
| EN 61000-4-2  | Level 3 |
| EN 61000-4-3  | Level 3 |
| EN 61000-4-4  | Level 3 |
| EN 61000-4-5  | Level 3 |
| EN 61000-4-6  | Level 3 |
| EN 61000-4-8  | Level 3 |
| EN 61000-4-11 | Level 3 |

### SAFETY STANDARDS

|   |                         |
|---|-------------------------|
|  | EN 60950 (Certificated) |
|  | UL 60950 (Meet)         |
|  | CSA 22.2 (Meet)         |

### ENVIRONMENTAL

Operating temperature: -20°C ~ 50°C ambient, derating each output at 2.5% per degree from 50°C to 70°C  
Operating humidity: Non-condensing, 5% ~ 95%RH.  
Vibration: Random vibration, 10Hz ~ 2KHz, 3axis.  
MTBF: 150,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

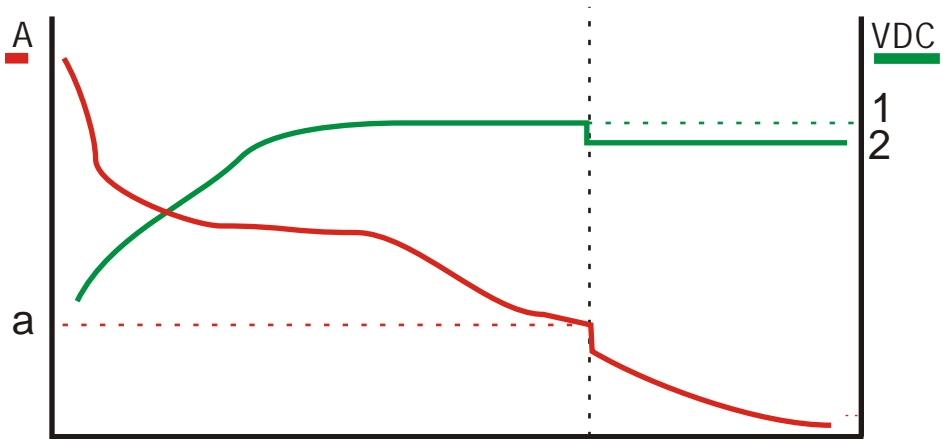
## Output Specifications

| Model     | Charging voltage Boost | Charging voltage Float | Charging current (A) | Line Reg. | Load Reg. | Efficiency | Overvoltage Protection |
|-----------|------------------------|------------------------|----------------------|-----------|-----------|------------|------------------------|
| CD06A/12A | 14.7VDC                | 13.8VDC                | 4A Max.              | ± 1%      | ± 1%      | 80%        | 15~17VDC               |
| CD06A/24A | 29.4VDC                | 28.6VDC                | 2.0A Max.            | ± 1%      | ± 1%      | 81%        | 32~35VDC               |
| CD06A/36A | 44.1VDC                | 41.4VDC                | 1.3A Max.            | ± 1%      | ± 1%      | 82%        | 48~52VDC               |

- NOTE:**
1. Line regulation is measured from low line to high line at rated load.
  2. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
  3. Efficiency is measured at rated load and 110VAC input.

## Mechanical Details

| Code \ Type | 12V  | 24V  | 36V  |
|-------------|------|------|------|
| a (A)       | 0.5  | 0.5  | 0.4  |
| 1 (VDC)     | 14.7 | 29.6 | 44.1 |
| 2 (VDC)     | 13.8 | 27.6 | 41.4 |



Charging time

## Mechanical Details

