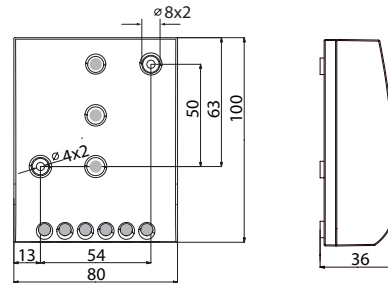




### Technical Drawing



### Product Introduction

The CA series is designed for low cost applications and is ideal for small solar systems in need of a low battery disconnect feature. The electronic circuit is equipped with a microcontroller that provides high-efficiency charging technology together with a number of outstanding features like: status display, warning and safety functions.

Leisure and rural electrification systems are the typical applications for the CA controllers. They provide a perfect solution for cost-sensitive systems that require a state-of-the-art system management.

### Product Features

- 1 Battery state-of-charge LED
- Two-stage PWM regulation
- Large terminals: up to 16 mm<sup>2</sup> wire size
- Boost and float charging
- Compatible with maintenance-free batteries

### Optional Accessories

#### CX-DR2

- DIN rail mounting plate that enables mounting the CA series controller on standard 35 mm DIN rail

### Technical Data

Type	CA 06	CA 08
System voltage	12V	
Max. charge current	5A	8A
Max. load current	6A	8A
Float charge	13.7 V ( 25°C)	
Boost charge	14.5 V ( 25°C)	
Low voltage disconnect: state of charge dependent voltage dependent	11.5 V ( 25 °C)	
Reconnect level	12.5 V	
Overvoltage protection	15.5 V	
Undervoltage protection	10.5 V	
Max. panel voltage (Overvoltage protection by varistor)	30 V	
Idle self-consumption	< 4 mA	
Grounding	Positive grounded	
Ambient temperature	-40 to +50 °C	
Max. altitude	4,000 m above sea level	
Battery type	Lead acid (GEL, AGM)	
Max. wire cross section	AWG 6 (16 mm <sup>2</sup> )	
Dimensions (W x H x D)	80 x 100 x 32 mm	
Weight	0.40 lbs (0.18 kgs)	
Type of protection	IP22	
Warranty	2 Years	