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Smart choice for power

- ▶ Distributed Power
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Product

Products

- Inverters
- Inverter/Chargers
- Powerpacks
- Backup Power
- Battery Chargers
- Charge Controllers
- Programmable DC
- Accessories

**Charge Controllers
C Series
C40 Specifications**



Electrical Specifications	
Voltage Configurations	12, 24 and 48 VDC
Max. PV Open Circuit Array Voltage	125 VDC
Charging / Load Current (at 25 °C)	40 amps DC
Max. Peak current	85 amps
Max. Voltage Drop through Controller	0.30 volts
Typical Operating Consumption	15 ma
Typical Idle Consumption	3 ma
Recommended Breaker Size	50 amps
Recommended Wire Size	#8 AWG
Lead Acid Battery Settings	Adjustable
NiCad Battery Settings	Adjustable
Load Control Mode	Low Voltage Reconnect - Adjustable (sticker provided with unit) all models
	Low Voltage Disconnect - User selectable manual or automatic reconnection - includes warning flash before disconnect and provides a one time, user selectable grace period) all models
General Specifications	
Specified Temperature Range	32° F to 104° F (0° C to 40° C)

Product Information

- [Description](#)
- [Features](#)
- [C35 Specifications](#)
- [C40 Specifications](#)
- [C60 Specifications](#)

Document Depot

Downloads library for the C Series

- [User Guides](#)

Enclosure Type	Indoor, ventilated, powder coated steel with 3/4" and 1" knockouts
Unit Weight	3.0 lb (1.4 kg)
Shipping Weight	3.5 lb (1.6 kg)
Dimensions (H x W x D)	10 x 5 x 2.5" (25.4 x 12.7 x 6.35 cm)
Shipping Dimensions (H x W x D)	12.4 x 7 x 2.5" (31.5 x 17.8 x 6.4 cm)
Mounting	Vertical wall mount - indoor only
Altitude - Operating	15,000' (4,572 m)
Altitude - Non-Operating	50,000' (15,240 m)
Warranty	Two years
Part Numbers	C5, C40, C60 - Controllers
	CM - Front Display Panel
	CM/R-50, CM/R-100 - Remote Display Panel
	BTS - Battery temperature sensor

Features & Options

Regulation Method	Solid stage, three-stage (bulk, absorption, and float), pulse width modulation
Field Adjustable Control Setpoints	Two user adjustable voltage setpoints for control of loads or charging sources - setting retained if battery is disconnected
Display Panel	CM, CM/R-50, or CM/R- 100 - optional LCD - backlit, alphanumeric display showing battery voltage, DC amperage, cumulative amp hours, and amp hours since last reset - remote includes 50' (15 m) or 100' (30.5 m) cable
Equalization Charge	User selectable manual or automatic equalization - every 30 days
Battery Temperature Sensor	BTS - optional remote battery temperature sensor for increased

SENSOR

SENSOR FOR INCREASED
charging precision

Regulatory Approvals

UL Listed to UL 1741 - 1999 and to CSA 22.2 No.
107.1-95 Standards, CE compliant

Note: Specifications subject to change without notice.

To compare models, please download the Product Data Sheet.

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