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TECHNOLOGY GROUP

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Find the *Schneider Electric C60* at our website: ***Click HERE***

C Series PWM
CHARGE CONTROLLER

xantrex™
Smart choice for power™

PV charge, diversion and load controller



Available in:

1000 W **2000 W**

The C35 and C60 are field configurable for 12 V and 24 V operation. The C40 may be configured for 12 V, 24 V, or 48 V operation. C35, C40 and C60 charge controllers can be used as a charge, diversion, or load controller and come with a standard multi-color charge status LED face plate.

Product Features

- Improve battery life with pulse width modulated (PWM) multi-stage temperature compensated charging
- PV charge, diversion, load controller
- Available remote display with cumulative AMP hours
- Tolerance to hostile environments with conformal-coated boards and powder-coated enclosure
- Field adjustable voltage and battery set point

Protection Features

- Automatically disconnects from the battery at night
- Compatible with negative ground and ungrounded systems
- Electronic protection against short-circuit, overload, and over-temperature conditions

Applications:

Recreational vehicles | Marine | Heavy duty trucks

Work vehicles | Buses / coaches | Specialty vehicles

ETL listed to CSA Standard C22.2 No. 107.1 and UL 458* with Marine supplement

*For marine supplement compliance drip shield in specific mounting orientation is required. See installation guide

Highly Accelerated H.A.L.T. Life Tested

2 YEAR LIMITED WARRANTY

Xantrex Technology Inc.

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C Series PWM
CHARGE CONTROLLER

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Electrical specifications – inverter	C35	C40	C60
Rated PV current	35 A	40 A	60 A
Charging / load current @ 25°C (77°F)	35 A	40 A	60 A
Voltage configurations	12 and 24 V	12, 24, and 48 V	12 and 24 V
Max. PV open circuit array voltage	55 V	125 V	55 V
Max. voltage drop through controller	0.30 V	0.30 V	0.30 V
Total operating consumption	15 mA	15 mA	15 mA
Recommended NEC breaker size	60 A rated at 100% continuous duty		
Recommended wire size	#6 AWG rated at 90°C (194°F)	#6 AWG rated at 90°C (194°F)	#6 AWG rated at 90°C (194°F)
Lead acid battery settings	Adjustable	Adjustable	Adjustable
NiCd battery settings	Adjustable	Adjustable	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 selected grace period) all models		

General specifications			
Power consumption, night time	3 mA	3 mA	3 mA
Enclosure material	Indoor, ventilated, powder with 2 cm and 2.5 cm knockouts		
Product weight	1.2 kg (2.7 lb)	1.4 kg (3.1 lb)	1.4 kg (3.1 lb)
Shipping weight	1.4 kg (3.1 lb)	1.6 kg (3.5 lb)	1.6 kg (3.5 lb)
Product dimensions (H x W x D)	20.3 x 12.7 x 6.4 cm (8.0 x 5.0 x 2.5 in)	25.4 x 12.7 x 6.4 cm (10.0 x 5.0 x 2.5 in)	25.4 x 12.7 x 6.4 cm (10.0 x 5.0 x 2.5 in)
Shipping dimensions (H x W x D)	31.5 x 17.8 x 6.4 cm (12.4 x 7.0 x 2.5 in)	31.5 x 17.8 x 6.4 cm (12.4 x 7.0 x 2.5 in)	31.5 x 17.8 x 6.4 cm (12.4 x 7.0 x 2.5 in)
Device mounting	Vertical wall mount – indoor only		
Ambient air temperature for operation	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Operating altitude	4572 m (15000 ft)	4572 m (15000 ft)	4572 m (15000 ft)
Non-operating altitude	15240 m (50000 ft)	15240 m (50000 ft)	15240 m (50000 ft)
Warranty	Two-year standard	Two-year standard	Two-year standard
Part number	C35	C40	C60

Features	
Display type	Multi color LED indicates the operating and battery voltage status
Regulation method	Solid state, 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 – settings retained if battery is disconnected
Equalization charge	User selectable manual or automatic equalization – every 30 days

Regulatory and environmental compliance	
Safety	UL listed to UL1741* and CSA 107.1-01; CE Marked for the Low Voltage Directive
EMC	FCC and Industry Canada Class B, CE Marked for the EMC Directive

Specifications are subject to change without notice. *Assembly with optional digital meter is NOT UL listed.

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