

Abso Charger

Smart Charger for Deep Cycle Batteries



12V Series

AC 1220 (12V/20A)

AC 1240 (12V/40A)

AC 1260 (12V/60A)

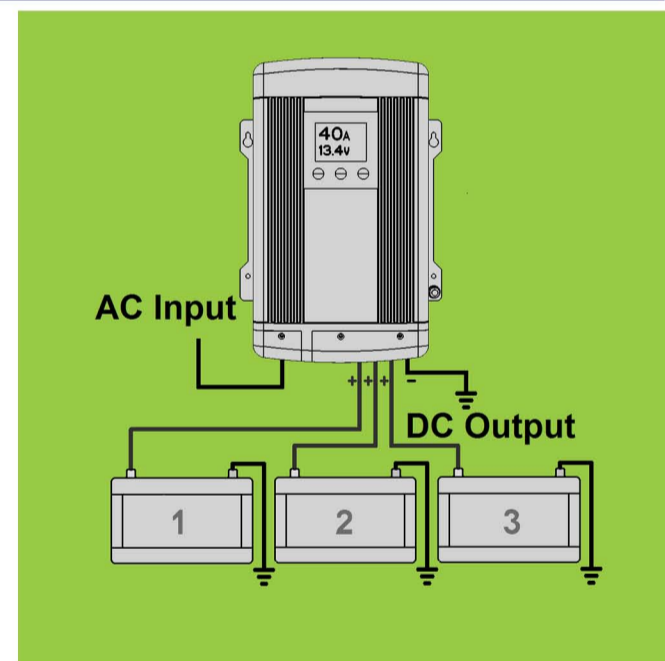
24V Series

AC 2430 (24V/30A)



Optimal Charging and Maintenance for your Deep Cycle Batteries

- Multi-stage battery chargers ensure that your batteries are charged the way battery manufacturers recommend
- Small footprint, extremely compact design
- Ideal chargers for boaters and RV'ers
- Can be set for gel, flooded, AGM and lithium batteries.



Features and Benefits:

- Faster charge for your batteries
- Three 12V models to choose from: 20A (< 200 Ah batteries), 40A (200 - 400 Ah batteries), 60A (> 400 Ah batteries)
- 24V model: 30A (> 200 Ah batteries)
- Travel abroad and use anywhere (accept 90 – 285 VAC input)
- Optional remote allows you to view system information
- Microprocessor controlled multi-stage charging algorithms: bulk, absorption, float settings for gel, flooded and AGM batteries
- Battery equalization feature for flooded batteries
- Priority bank charging ensures your main battery recharges first
- Silent mode for quiet operation and Charge up to three battery banks

Dimensions: (W x L x H)

AC 1220	8.1 x 11.6 x 3.4" (206 x 295 x 86mm)
AC 1240	8.1 x 11.6 x 3.4" (206 x 295 x 86mm)
AC 1260	8.1 x 14 x 3.8" (206 x 356 x 96.5mm)
AC 2430	8.1 x 14 x 3.8" (206 x 356 x 96.5mm)

Weight:

AC 1220	5.3 lb (2.4 kg)
AC 1240	5.7 lb (2.6 kg)
AC 1260	8.8 lb (4.0 kg)
AC 2430	8.8 lb (4.0 kg)

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Smart Chargers for Deep Cycle Batteries

12V Series: AC 1220, 1240, 1260

24V Series: AC 2430



Product Description	12V Series	24V Series
	AC 1220 / 1240 / 1260	AC 2430
Output Current (Total)	20A / 40A / 60A	30A
Output Voltage Range		
Charge	14.2 - 15.5 V	28.4 - 31.0V
Float	13.4 - 13.8 V	26.8 - 27.6V
Equalize (Flooded Battery Only)	16.0 V	32.0V
Charging Control	Three stages (Bulk/Absorption/Float) Two stages (Bulk/Absorption) Constant Power Supply (Program setting only) Priority Battery Bank Charging	
DC Output Bank	Three	
AC Input Voltage (Nominal)	120, 230, 240 VAC	
AC Input Operating Range	90 - 265 VAC	
AC Input Frequency Range	47 - 63 Hz	
Power Consumption (Full Load)	350W / 700W / 1050W	1050W
Power Factor Correction	Yes	
Selectable Battery Type	Gel, AGM, Flooded, Lithium, Program	
Parasitic Current	< 2 mA	
Charger Efficiency	> 82%	
Temperature Setting	Hot, Normal, Cold (no temperature sensor connected)	
Temperature Sensor Port	Yes (for optional Battery Sensor use)	
Remote Display Port	Yes (for optional Remote Display use)	
Silent Mode	Yes (Output Power derated to ~ 50% with fan OFF)	
Cooling	Forced ventilation	
Protection:		
Reverse Battery	Yes (with user replaceable fuse)	
Over Charge	Yes, unit shutdown	
High Temperature	Yes, unit derated and shutdown	
Output Short Circuit	Yes, unit shutdown	
Display:		
LCD Display (with back lighting)	Charging status, Battery Voltage	
Warning and Fault Code	Yes, (E01 - 09)	
AC Input and DC Output Connection:		
AC Input connection	Hardwire or AC Input Cord (Schuko, UK, Aus plug)	
DC Output Connection (Positive)	Heavy Duty Studs (3 Banks)	
DC Output Ground Connection (Negative)	Single Heavy Duty Common Ground Stud	
Accessories (optional)		
Remote Display	External Remote panel to show battery status	
Battery Temperature Sensor	Connect to battery for accurate battery temperature sensing	
PC Interface	Monitor the charger through PC	



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