DRAKE SVO

SPECIAL VEHICLE OPERATIONS

DATASHEET

Kisae Abso 30A DC-DC Battery Charger 12V - DMT1230

Model DMT1230

SUPPLIED AND SUPPORTED BY

Drake SVO

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Abso Charger 20/40/60

Smart Charger for Deep Cycle Batteries



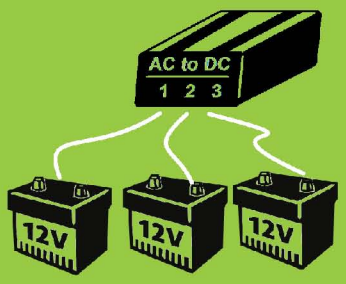
Abso Charger

AC 1220 (20A)
AC 1240 (40A)
AC 1260 (60A)

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 that do dry camping
- Can be set for gel, flooded, AGM and lithium batteries.

Universal AC Input



gel, flooded, AGM, lithium, and programmable

Abso Charger benefits include:

- faster charge for your batteries
- 3 models to choose from:
  20A (<200 Ah batteries)
  40A (200-400 Ah batteries)
  60A (>400 Ah batteries)
- travel abroad and use anywhere (accept 90 – 285 VAC input)
- optional remote allows you to view system information anywhere

Product Features:

- microprocessor controlled multi-stage charging algorithms: bulk, absorption, float
- settings for gel, flooded, AGM, and $LiFePO_4$ batteries
- battery equalization feature
- universal input voltage is compatible with generators
- 3 battery bank charging

Dimensions: (W x L x H)

AC 1220	8.1" x 11.2" x 3.4" (206mm x 285mm x 86mm)
AC 1240	8.1" x 11.2" x 3.4" (206mm x 285mm x 86mm)
AC 1260	8.1" x 13.9" x 3.7" (206mm x 353mm x 98mm)

Weight:

AC1220	5.1 lb (2.3 kg)
AC1240	5.3 lb (2.4 kg
AC1260	7.7 lb (3.5 kg)

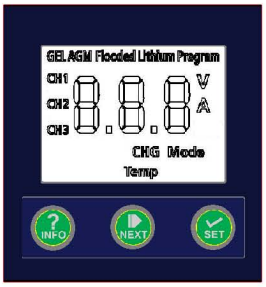
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Abso Charger 20A/40A/60A

Smart Chargers for Deep Cycle Batteries

Product Description	Abso Charger (universal input) AC 1220 / 1240 / 1260
Output Current (Total)	20A / 40A / 60A
Output Voltage Range	
Charge	14.2 - 15.5 V
Float	13.4 - 13.8 V
Equalize	16.0 V
Charging Control	Three stages (Bulk/Absorption/Float) Constant Power Supply (program setting only)
DC Output Bank	Three
AC Input Voltage (Nominal)	120,230,240 VAC 50,60 Hz
AC Input Operating Range	90 - 265 VAC
AC Input Frequency Range	47 - 63 Hz
Power Consumption (Full Load)	350W / 700W / 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 sensor connected)
Temperature Sensor Port	RJ12 (optional battery sensor use)
Remote Display Port	RJ12 (optional display panel use)
Protection:	
Reverse Battery	Yes (with user replaceable fuse)
Over Charge	Yes, unit shutdown
Over Temperature	Yes, unit shutdown
Output Short Circuit	Yes, unit shutdown
Display:	
LED Indicator	Yes (Charging, Full Charge)
LCD Display (with back lighting)	Charging status, Battery Voltage
Warning and Fault Code	Yes
Remote Display Port	Yes, for use with optional display panel
AC Input and DC Output Connection:	
AC Input connection	Hardwire or AC Cord
DC Output Connection	Heavy Duty Studs
DC Output Ground	Single Heavy Duty Common Ground Stud
Operating Temperature Range	
Storage Range	-40° to 70° C (-40° to 158° F)
Operating Range	-20° to 70° C (-4° to 158° F) derated linearly from 40-70° C (104-158° F)
Cooling	Forced ventilation
Regulatory Compliance	
Standards	UL 1236 Marine, CSA C22.2 107.2-01, CE (LVD)
	Ignition Protection
EMI/EMC	FCC part 15 class B, CE (EMC)
Accessories (optional)	
Remote Display	For unit remote setting
Battery Temperature Sensor	For battery temperature sensing
PC Interface	For monitoring and feature setting through PC USB port





Intertek

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