



# Abso Charger 20/40/60

Smart Charger for Deep Cycle Batteries

## Abso Charger

AC 1220 (20A)

AC 1240 (40A)

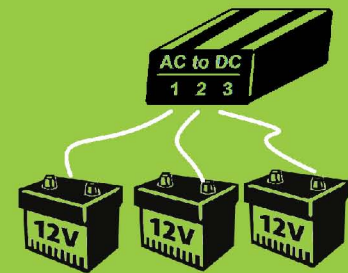
AC 1260 (60A)



## 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<sub>4</sub> 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"<br>(206mm x 285mm x 86mm) |
| AC 1240 | 8.1" x 11.2" x 3.4"<br>(206mm x 285mm x 86mm) |
| AC 1260 | 8.1" x 13.9" x 3.7"<br>(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) |

# Abso Charger 20A/40A/60A

## Smart Chargers for Deep Cycle Batteries

| Product Description           | Abso Charger (universal input)<br>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)<br>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

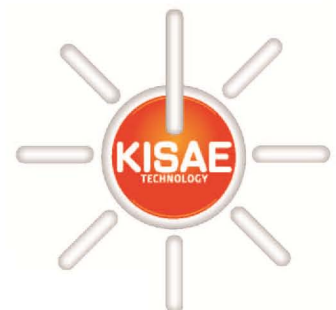
|                 |                                             |
|-----------------|---------------------------------------------|
| Storage Range   | -40° to 70° C ( -40° to 158° F)             |
| Operating Range | -20° to 70° C ( -4° to 158° F)              |
|                 | derated linearly 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 |



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