

# Dolphin booster



## CHARGE DC BATTERY FROM ANOTHER



- Dolphin Booster is a DC to DC intelligent 30 amp battery charger
- Product range: 12 volt or 24 volt input with 24 volts output
- Typical application: charge an auxiliary battery bank from any 12V or 24V source
- The smart DOLPHIN DC/DC BOOSTER provides 4 stage charging program as well as automatic protection against battery source drainage
- Advance and unique 4 charging programs can be selected based on battery type (lead acid, gel, agm or LiFeSo4)
- Conformal coating of PCB to prolong the life of the battery charger

## DOLPHIN BOOSTER SUBSYSTEM



|                           |   |              |
|---------------------------|---|--------------|
| SKU#                      | <b>99201</b>  | <b>99202</b> |
|                           | <b>12V</b>  | <b>24V</b>   |
|                           | 30A   |              |
| <b>Input</b>              |   |              |
| Input Voltage             | 13V +/- 3V  | 26V +/- 6V   |
| Max. Current              | 70A   | 35A          |
| Efficiency                | 85% to 90%  |              |
| Fuse                      | 4 x F30A  |              |
| <b>Output</b>             |   |              |
| Number of outputs         | 1 output  |              |
| Battery Voltage           | 24V   |              |
| Battery Capacity          | 50 to 200 Ah  |              |
| Output Voltage            | 26.5V to 30V +/- 1%   |              |
| Max. Current              | 30A +/- 5%  |              |
| Number of charging Curves | 4 Programs, position selected by dip switch, Lead Acid, AGM, Gel, LiFeS04                   |              |
| Charging Curve            | IUUo  |              |
| Ripple                    | < 1%  |              |
| Fuse                      | 2 x F25A  |              |
| <b>Protection</b>         |   |              |
|                           | In case of output overload, Excessive internal temperature, Reverse battery polarity (fuse) |              |
| <b>General</b>            |   |              |
| Display                   | Tricolor LED  |              |
| Operating temperature     | 14° F to 130° F   |              |
| Storage temperature       | - 4° to 158° F  |              |
| Humidity                  | 10% to 90% (without condensation)   |              |
| Ventilation               | Forced fan cooling  |              |
| Dimensions                | 9-7/8" W x 6" H x 3-1/8" D  |              |
| Weight                    | 4-1/2 lbs.  |              |
| Input Connection          | 5/16" Terminal Bolts  |              |
| Battery Connection        | 5/16" Terminal Bolts  |              |
| <b>Optional</b>           |   |              |
|                           | Can Bus connection with Touchview or Navicolor RJ11 and/or Micro-Fit connection             |              |