



# Dolphin® charger

NEW

## ProLite 12.40 IP55

12V 40A 4 Out / 115-230Vac Auto

Following the launch of the Dolphin ProLite chargers end of 2019 (15A double output and 25A triple output) the 40A model is now available in 2 new versions IP21 and IP55. Fitted with 4 independent outputs, fanless design, industrial connectors, CAN Bus communication port, and high-performance electronics, it will meet all your requirements.



LiFePo4



Silent



Bluetooth



IP55



AC100-240V



Ignition protected



4 out

### 4 OUTPUTS

Perfect for triple engine & house battery bank or twin engine & house and auxiliary battery bank

### FANLESS DESIGN

Silent operation /  
No moving parts /  
Suitable for harsh environments



### LITHIUM READY

4 charging profile are available including standard lead-acid, Gel/AGM, Lead-calcium and lithium LFP

### ISO 8846

**IGNITION PROTECTED**  
Suitable for use in marine engine compartments and fuel tank spaces

### PRE-WIRED

Time and resource savings during installation, 1.8 meter DC cables with in-line 50A removeable fuse and ring terminal

# Technical specifications

## 12V 40A

| Input                               |                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------|
| Input Volatge                       | 115/230V (+/-10%)                                                                    |
| Frequency                           | 50/60 hz (+/-10%)                                                                    |
| Cos φ                               | > 0,9                                                                                |
| Efficiency                          | > 91%                                                                                |
| Max. Current 115V/230V              | 8A / 4A                                                                              |
| Fuse                                | T10A                                                                                 |
| Output                              |                                                                                      |
| Number of outputs                   | 4 Isolated                                                                           |
| Battery capacity                    | 400 Ah - 800 Ah                                                                      |
| Number of charging curves           | Open lead acid / Lead calcium / AGM-GEL / Lithium LifeSo4 + BMS                      |
| Charging curve                      | 3 stages I.Uo.U                                                                      |
| Lead Acid (Boost - Float)           | 14,4 V - 13,4 V (+/- 2%)                                                             |
| Gel AGM (Boost - Float)             | 14,5 V - 13,6 V (+/- 2%)                                                             |
| Lead Calcium (Boost - Float)        | 14,9 V - 13,8 V (+/- 2%)                                                             |
| Lithium LFP (Boost - Float)         | 14,4 V - 13,8 V (+/- 2%)                                                             |
| Max. Current                        | 40 Amp (+/-5%)                                                                       |
| Ripple                              | < 1% (BW < 20MHz)                                                                    |
| Fuse -DC                            | 2 x F30A                                                                             |
| Fuse +DC                            | 4 x F50A (Maxi Blade fuse)                                                           |
| Protection                          |                                                                                      |
| AC Input                            | Under voltage                                                                        |
| DC Ouput                            | Output short circuit / Overload output voltage / Reverse polarity / Over temperature |
| General                             |                                                                                      |
| Display                             | Tri-colour LED display                                                               |
| Control                             | Front Push Button                                                                    |
| Operating temperature               | -10°C to +55°C (automatic derating)                                                  |
| Storage temperature                 | -20°C to +70°C                                                                       |
| Humidity                            | 10% to 90% (without condensation)                                                    |
| IP                                  | IP55                                                                                 |
| ISO 8846 Ignition Protection        | Yes                                                                                  |
| Ventilation                         | Natural convection                                                                   |
| Safety                              | EN 60335-1, EN 60335-2-29                                                            |
| EMC                                 | EN 55014-1, EN55014-2                                                                |
| Housing                             | White polycarbonate                                                                  |
| Mounting                            | Vertical mounting 4 x M5 Screw                                                       |
| Dimensions D x W x H                | 279 x 103 x 200 mm                                                                   |
| Weight                              | 4,9 Kg / 10,8 lbs                                                                    |
| AC Connection                       | Cable 3 x 1,5mm <sup>2</sup> - 1,8 m                                                 |
| DC Connection                       | Cable 10mm <sup>2</sup> - 1,8 m + In-line 50A safety fuse                            |
| CAN Bus                             | No                                                                                   |
| Connecteur CAN                      | No                                                                                   |
| "Dolphin Connect" App via Bluetooth | Yes                                                                                  |
| Part Number                         |                                                                                      |
| Code article                        | 399735                                                                               |
| Version                             | ProLite 12.40 IP55_STD                                                               |