Dolphin
charger

**BATTERY CHARGERS
AND ACCESSORIES**

SCANDVIK

PROLITE Series

12V **IP65** **15A→25A** **ISO 8846**

Dolphin Chargers are known as a yacht quality product that is professionally designed and manufactured in Europe with the latest components to be more efficient and reliable than the competition.   In 2019 Dolphin set out to create this line of small water resistant chargers with the same philosophy for the outboard and gasoline boat market.

- 40% smaller and 50% lighter than most competitors
- Includes 6' AC and DC cables and fusing
- 15 amp 2 - outputs / 25 amp 3 - outputs
- IP 65 Water Resistant
- ISO certified 8846 for use in gasoline boats
- Works with any battery technology on the market
- Will charge from 0 VDC
- Bluetooth Interface
- Simple installation
- 92% Super Efficient

The **NEW PROLITE** 12v 15Amp and 25Amp chargers are smaller, lighter and more efficient than the competition and boast the latest in connectivity with standard **Bluetooth** interface.   The **Dolphin Connect App** (iOS and Android) will allow you to monitor and control your charger from your mobile device!

SKU#	99215	99225
	12V - 15A	12V - 25A
Input		
Input Voltage	115V +/- 10%	115V/230V +/- 10%
Frequency	50/60 Hz +/- 10%	
Cos	> 0.5	> 0.9
Efficiency	> 90%	
Max. Current 115V/230V	4A	4A/2A
Output		
Number of outputs	2	3
Max. Current	15 Amp +/- 5%	25 Amp +/- 5%
Number of charging curves	Open lead acid / Lead calcium / AGM-GEL / LifeSo4 + BMS	
Charging curve	IUUo	
Voltage share	+/- 2%	
Ripple	< 1% (BW < 20MHz)	
Protection		
	Output current limited / Output short circuit / Overload output voltage / Reverse polarity / Over temperature	
General		
Display	Tricolor LED	
Control	Front push-button switch or via Dolphin Connection App	
Operating temperature	14° F to 131° F (automatic de-rating)	
Storage temperature	- 4° to 158° F	
Humidity	10% to 90%	
IP Rating	IP65	
Ventilation	Natural Convection	
Safety	EN 60335-1, EN 60335-2-29, ISO 8846, SAE J1171, UL 1236	
EMC	EN 55014-1, EN 55014-2	
Housing	Anodized extruded aluminium	
Mounting	Wall-mounted 2 x #8 Screws	
Dimensions	5-1/2" W x 7-5/8" H x 2-3/4" D	5-1/2" W x 9-5/8" H x 2-3/4" D
Weight	3 lbs.	4-1/8 lbs.
AC & DC Cord length	6 feet	
AC Connection	3-wire, 19 AWG cable with NEMA 5-15 plug for U.S.	
Battery Connection	Pre-wired 5/16" ring terminals with 10 AWG cables	Pre-wired 5/16" ring terminals with 6 AWG cables

Dolphin premium

IP20 · **CE**

12V-60A
24V-30A

12V-40A
24V-20A

PLUG AND PLAY BATTERY CHARGER

- New robust and compact casing
- 3 Completely isolated battery outputs
- Easy wiring and connections thanks to the Winsta (Wago) and Phoenix contact connectors
- Digital management with up to date microcontroller
- 4 charging programs including one for lithium-ion-iron-phosphate with integrated BMS
- Full power at temperatures up to 120° F
- Automatic weekly equalisation for all charging programs
- Automatic 115/230V switchover
- Night mode: silent - without fan (12V-40A & 24V-20A only)
- Touchview Controller connection (12V-60A, 24V-30A only)
- Conformal coating of PCB to prolong the life of the battery charger

SKU#	99030	99050	99040	99041
	12V		**24V**	
	40A	60A	20A	30A
Input				
Input Voltage	115V/230V (+/-15%) Automatic Switchover			
Frequency	50Hz/60Hz (+/-10%)			
Cos	0.9			
Efficiency	80%			
Max. Current 115V/230V	7A/3.5A	10A/5A	7A/3.5A	10A/5A
Fuse	T10A 250V	T16A 250V	T10A 250V	T16A 250V
Output				
Number of outputs	3 isolated outputs			
Number of charging curves	4 programs, position selected by dip switch			
Charging curve	IUUo +	IUUo	IUUo +	IUUo
Weekly equalization	Automatic	N/A	Automatic	N/A
Voltage share	+/-2%			
Ripple	< 1% pp (BW < 20MHz)			
Fuse (automotive mini)	2 x F25A 32V	3 x F25A 32V	2 x F15A 32V	3 x F15A 32V
Protection				
	In case of output overload, Excessive internal temperature Charging voltage too high, Reverse battery polarity (fuse)			
General				
Display	Tricolor LED			
Night/Silent mode	By button	N/A	By button	N/A
Operating temperature	14° F to 122° F			
Storage temperature	- 4° to 158° F			
Humidity	10% to 90% (without condensation)			
Ventilation	Forced fan cooling			
Safety	EN 60335-2-29 (2002)			
Housing	Powder coated aluminum			
Mounting	2 x #10 Screws	4 x #10 Screws	2 x #10 Screws	4 x #10 Screws
Dimensions	4-3/4" W x 13-7/8" H x 3-3/4" D	10-3/4" W x 9-1/2" H x 4-1/4" D	4-3/4" W x 13-7/8" H x 3-3/4" D	10-3/4" W x 9-1/2" H x 4-1/4" D
Weight	4-1/4 lbs.	6-1/2 lbs.	4-1/4 lbs.	6-1/2 lbs.
AC Connection	20A 230V, 14 AWG max WINSTA - WAGO 770.813/G11-000			
DC Connection	10 AWG max	4 AWG max	10 AWG max	4 AWG max
CAN BUS	No	Yes	No	Yes

Dolphin
pro

ROBUST AND POWERFUL MARINE BATTERY CHARGER

Pro Chargers

Pro-Touch Chargers with integrated Touchview

#99520
Touchview Remote Touchscreen Panel

■ Can operate up to 149° F without D rating

■ Internal diode isolator without voltage drop

■ User friendly design: a solid casing in aluminum, mounting by 4 easily accessible screws

■ A front cover allowing easy access to the charge selector and wiring connections (4 solid 5/16" terminals for the battery outputs)

■ A cable gland for the input cable and a cable grommet with a waterproof seal

■ Integrated Control Panel: LED display indicating the charging curve (boost, absorption, float), as well as anomalies and faults (temperature voltage, fuses...)

■ Automatic switchover: equipped with 3 isolated outputs, automatic switchover 115V/230V, 50Hz/60Hz

■ 9 charging programs (including 2 winterizing and 1 power supply) depending on battery type, makes this charger suitable for all charging needs

■ Optional extras: external Touchview control panel and a battery temperature sensor (included) allowing a charging level adjustment

■ Conformal coating of PCB to prolong the life of the battery charger

■ Using built-in CAN BUS J1939 interface, the Dolphin Pro can be connected to any monitoring system

Pro Chargers	99507	99501	99502	99503	99505	99504	99509
Pro-Touch Chargers		99510		99511		99512	
	12V		**24V**				
	70A	90A	40A	60A	80A	100A	150A
Input							
Input Voltage	115V/230V (+/-15%) Automatic Switchover				230V (+/-15%)		
Frequency	50Hz/60Hz (+/-10%)						
Cos	> 0.9 typ						
Efficiency	83%		87%				85%
Max. Current 115V/230V	13A/6A	16A/7A	14A/6A	15A/9A	15A	17A	
Fuse	T20A					2 x T20A	
Output							
Number of outputs	3 isolated outputs						
Number of Charging curves	Open lead acid / Sealed lead acid / Lead calcium / Delphi Batteries / Spiral cell AGM / Winterizing lead acid / Winterizing GEL & AGM / Power Supply / LifeSo4 + BMS						
Charging curve	IUUo						
Voltage share	+/-2%						
Ripple	< 1% (BW < 20MHz)						
Fuse (automotive mini)	4F30A	4F30A	3F25A	3F25A	5F25A	5F25A	200A
Protection							
	Output current limited / Output short circuit / Overload output voltage / Reverse polarity / Over temperature						
General							
Display	LED display or optional multi-color Touchview Controller						Touchview
Operating temperature	14° F to 122° F						
Storage temperature	- 4° to 158° F						
Humidity	10% to 95% (without condensation)						
IP	IP22						
Ventilation	Forced fan adjustable speed cooling						
Safety	EN 60335-1						
Housing	Powder coated aluminum						
Mounting	Wall mounted 4 x #8 Screws						6 x #8 Screws
Dimensions	13-7/16"W x 14-1/4" H x 5" D					13-7/16" W x 14-1/4" H x 7-1/2" D	14"W x 16" H x 9-1/2" D
Weight	13-1/4 lbs.					25-1/4 lbs.	42 lbs.
AC Connection	3-pin cage terminal 10 AWG max						
DC Terminal	4 x 5/16" Terminal Bolts						
Output Alarm Contact	1A 30V NO						10A
Optional Connections							
Battery Temperature Sensor	2-pin cage terminal 14 AWG						
External Touchview control panel	RJ45						
CAN BUS	2 Micro-Fit & RJ11						

Dolphin
pro HD+

TOUGH
ENVIRONMENT
DNV-GL* TYPE
APPROVED

■ Dedicated to commercial and offshore market

■ Type-approved by Det Norske Veritas (DNL-GL)

■ DOLPHIN PRO HD+ will be delivered with its Touchview display as standard, measuring AMP/VOLT of battery charger, showing charging mode and alarms (temperature, fuse, battery)

■ The HMI touchscreen control panel is a real innovation in the battery charger environment

■ Using built-in CAN BUS J1939 interface, the DOLPHIN PRO HD+ can be connected to any monitoring system

■ Built-in alarm relay is included for remote alarm system

■ Conformal coating of PCB to prolong the life of the battery charger

■ Compatible with MARBLE Automatic NL (approved Oct. 14)

* Certificate No. E-14112/ File No. 822.20/ Job ID 262.1-018698-1
Type tests in accordance with IEC 60335-1 & IEC 60335-2-29. Low temperature & vibration tests in accordance with SfC No. 2.4 Class A. Humidity / Damp heat tests in accordance with SfC No. 2.4 Class B. EMC in accordance to SfC No. 2.4 Class A

SKU#	99165	99175	99185
	24V		
	40A	60A	100A
Input			
Input Voltage	115V/230V (+/-15%) Automatic Switchover		230V (+/-15%)
Frequency	50Hz/60Hz (+/-10%)		
Cos	0.9 typ		
Efficiency	85%		88%
Max. Current 115V/230V	12A/6A	12A/9A	15A
Fuse	T20A		2 x T20A
Output			
Number of outputs	3 isolated outputs		
Number of Charging curves	9 Programs, Open lead acid / Sealed lead acid / Lead calcium / Delphi Batteries / Spiral cell AGM / Winterizing lead acid / Winterizing GEL & AGM / Power Supply / LifeSo4 + BMS		
Charging curve	IUUo 3 modes		
Voltage share	+/-2%		
Ripple	< 1%		
Fuse (automotive mini)	3F30A		5F30
Protection			
	In case of output overload, Excessive internal temperature, Charging voltage too high, Reverse battery polarity (fuse), Excessive battery temperature, Temperature sensor default, AC over and under voltage		
General			
Display	Touchview control panel		
Operating temperature	14° F to 149° F		
Storage temperature	- 4° to 185° F		
Humidity	10% to 95% (without condensation)		
IP	IP22		
Ventilation	Forced fan adjustable speed cooling		
Safety	EN 60335-29-2		
EMC	Emission EN 55014-1		
Housing	Powder coated aluminum and composite materials (LED)		
Mounting	Wall mounted 4 x #8 Screws		
Dimensions	13-7/16"W x 14-1/4" H x 5" D		13-7/16" W x 14-1/4" H x 7-1/2" D
Weight	13-1/4 lbs.		26-1/2 lbs.
AC Connection	3-point cage terminal 10 AWG max		
DC Terminal	4 x 5/16" Terminal Bolts		
Output Alarm Contact	1A 30V NO		
Optional Connections			
Battery Temperature Sensor	2-pin cage terminal 14 AWG		
CAN BUS	RJ11		

Dolphin
booster

■ 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)
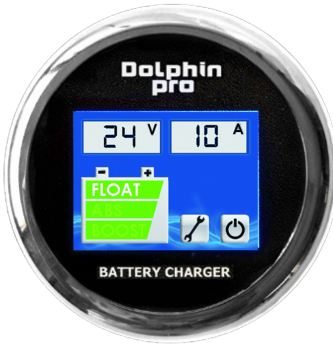■ Conformal coating of PCB to prolong the life of the battery charger

SKU#	99201	99202
	12V	**24V**
	30A	
Input		
Input Voltage	13V +/- 3V	26V +/- 6V
Max. Current	70A	35A
Efficiency	85% to 90%	
Fuse	4 x F30A	
Output		
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	
Protection		
	In case of output overload, Excessive internal temperature, Reverse battery polarity (fuse)	
General		
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	
Optional		
	Can Bus connection with Touchview or Navicolor RJ11 and/or Micro-Fit connection	

TOUCHVIEW
Control Panel

CE

■ External touch screen control panel for Dolphin chargers
■ Can Bus connection
■ Supervise your battery charger and battery banks
■ Displays temperature, error messages, charging current, charge curve selected, charging phase (boost, absorption, float), power max delivered

SKU#	99520
	12V / 24V
General Information	
Screen Size	2.4" diagonal
LED Type	a-Si TFT
Color Configuration	RGB vertical stripe
Backlight	White LED
Interface	16-bit interface for i80 system
Conformity	ROHS
Diameter overall	3-5/8"
Waterproof Rating	IP65 (front panel only)
Cutout and depth	2-7/8" Diameter x 1" Deep

99526 9' Cable supplied with Touchview.
99527 Custom Length Cable with RJ9 connectors sold by the foot. Maximum Length 65'.

BATVIEW
Battery Monitor

CE

■ Read your battery bank like a fuel gauge
■ Provides critical information about the status of your battery bank
■ Displays voltage, current, consumed amphours and remaining battery capacity
■ Secondary battery bank voltage monitoring
■ Auto sensing battery voltage inputs
■ Large backlit LCD display
■ Quick nut mounting construction
■ Programmable alarm relay
■ Shunt selection capability enables flexible system integration
■ Splash proof front panel
■ 500 amp shunt included

SKU#	99031
	12V / 24V
General Information	
Main Battery Functions	Volts, Amps, Amphours, State of charge, Low battery alarm
Auxiliary Battery Functions	Volts
Display	Multi-fuction LCD
Supply Voltage Range	9 to 35 VDC (± 0.1V)
Supply Current*	9mA @ 12 VDC 7mA @ 24 VDC
Input Voltage Range Main Battery Auxiliary Battery	0 to 35 VDC (± 0.3%) 2 to 35 VDC (± 0.3%)
Input Current Range**	-999 to +999A (± 0.4%)
Battery Capacity Range	20 to 999Ah
State-of-Charge	± 1%
Operating Temperature	-4 to 122°F
Mounting Hole	2-1/16" to 2-1/8" dia. (52 - 54mm)
Monitor Dimensions	Front Panel Ø 2-1/2" (64mm) Body Ø 2" x 3-1/8" Total Depth
Shunt Dimensions	Footprint 1-3/4" x 3-1/2" (45 x 87mm) Base Height 1/2" (17mm) Overall Height 1-1/4" (35mm)
Waterproof Rating	IP65 (front panel only)
Monitor Weight	1/4 lb (95 g)

*Measurement with backlight and alarm relay turned off.
**Depends on selected shunt. With standard 500A / 50mV shunt (350A continuous), the range is limited from -600 to +600A)

Dolphin

FOR MORE INFORMATION
VISIT OUR NEW WEBSITE
www.dolphin-charger.com
www.scandvik.com
Ph. 800-535-6009