

# Dolphin premium

**New in 2010**



- ⌘ Digital management with up to date RISC microcontroller
- ⌘ 4 Charging programmes including one for Lithium-Ion-Iron-Phosphate with integrated BMS.
- ⌘ Charging programme selection by internal dip switch
- ⌘ Automatic weekly Equalisation for all charging programmes
- ⌘ New robust and compact casing
- ⌘ Thanks to the Winsta (Wago) and Phoenix contact connectors wiring & connection is easy - user friendly.
- ⌘ Night mode (Silent - without fan) - 25A & 40A only.
- ⌘ Automatic 115/230V switchover - 25A & 40A only.
- ⌘ 3 completely isolated battery outputs

		Weight (kg)	Dimensions (mm)
<b>399000</b>	12V10A	1.30	96x120x238
<b>399010</b>	12V15A	1.30	96x120x238
<b>399020</b>	12V25A	1.90	96x120x354
<b>399030</b>	12V40A	1.90	96x120x354

## 12V10A

## 12V15A

## 12V25A

## 12V40A

### Input

Input Voltage	230V (+/-15%) 115V available on request		115V/230V (+/-15%) Automatic Switchover	
Frequency	50Hz/60Hz (+/-10%)		50Hz/60Hz (+/-10%)	
Cos	0.6 typ.		0.9 typ.	
Efficiency	80% typ.		80% typ.	
Max. current 115V/230V	NA/1.3A	NA/1.9A	4A/2A	7A/3.5A
Fuse	T2A 250V 5x20mm	T3,15A 250V 5x20mm	T6A 250V 5x20mm	T10A 250V 5x20mm

### Output

Number of outputs	3 isolated outputs			
Number of charging curves	4 programmes, position selected by DIP Switch <b>NEW</b> - One of which is LiFeSO4 with integrated BMS			
Charging curve	IUUo + weekly automatic equalisation			
Weekly equalisation	Automatic		Automatic	
Voltage share	+/-2%		+/-2%	
Ripple	< 1% pp (BW < 20MHz)		< 1% pp (BW < 20MHz)	
Fuse	F15A 32V Automotive (mini)	F20A 32V Automotive (mini)	2xF15A 32V Automotive (mini)	2xF25A 32V Automotive (mini)

In case of output overload  
Excessive internal temperature  
Charging voltage too high  
Reverse battery polarity (fuse)

Display	Tricolour Led
Night / Silent mode	By button
Operating temperature	-10°C to +50°C
Storage temperature	-20°C to +70°C
Humidity	10% to 90% (without condensation)

Ventilation	Natural	Forced fan cooling
Security	EN60335-2-29 (2002)	EN60335-2-29 (2002)
Housing	Powder coated aluminium	Powder coated aluminium
Mounting	2 screws 4mm	2 screws 4mm
Dimensions (DxWxHmm)	96x120x238	96x120x354
Weight (kg)	1.30	1.90

Input terminals	20A 230V, 4mm <sup>2</sup> max. Ref.: 770.813/G11-000 (WINSTA - WAGO)
Battery terminals	40A 630V, 10mm <sup>2</sup> max. Ref.: PC 6-16/4-G1F-10,16 (PHOENIX CONTACT)

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