

Dolphin

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Dolphin

charger



**BATTERY CHARGERS
COMBI (INVERTER/CHARGER)
AND ACCESSORIES**

Dolphin

premium



PLUG AND PLAY BATTERY CHARGER

- New robust and compact casing
- 3 completely isolated battery outputs
- Easy wiring and connection 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 50°C
- Automatic weekly equalisation for all charging programs
- Automatic 115/230V switchover (12V 25A, 12V 40A & 24V 20A only)
- Night mode : silent - without fan (12V 25A, 12V 40A & 24V 20A only)
- Conformal coating of PCB to prolong the life of the battery charger

4 years warranty



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	12V					24V
	10A	15A	25A	40A	60A	20A
Input						
Input Voltage	230V (+/-15%) 115V available on request		115V/ 230V (+/-15%) Automatic Switchover			
Frequency			50Hz/60Hz (+/-10%)			
Cos	0,6 typ		0,9 typ			
Efficiency			80% typ			
Max. Current 115V/230V	NA/1,3A	NA/1,9A	4A/2A	7A/3,5A	12A/6A	7A/3,5A
Fuse (5x20mm)	T2A 250V	T3,15A 250V	T6A 250V	T10A 250V	T16A 250V	T10A 250V
Output						
Number of outputs	3 isolated outputs					
Number of charging curves	4 programs, position selected by dip switch NEW - one of which is LiFeSO4 with integrated BMS					
Charging curve	IUUo + weekly automatic equalisation					
Weekly equalisation	Automatic					
Voltage share	+/-2%					
Ripple	< 1% pp (BW < 20MHz)					
Fuse (automotive mini)	F15A 32V	F20A 32V	2 x F15A 32V	2 x F25A 32V	3 x F25A 32V	2 x F15A 32V
Protection						
	In case of output overload, Excessive internal temperature Charging voltage too high, Reverse battery polarity (fuse)					
General						
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)					
Housing	Powder coating aluminium					
Mouting	2 screws 4 mm		4 screws 4 mm		2 screws 4 mm	
Dimensions	96 x 120 x 238 mm	96 x 120 x 354 mm		284 x 240 x 115 mm	96 x 120 x 354 mm	
Weight	1,30 Kg	1,90 Kg		3,1 Kg	1,90 Kg	
Input terminals	20A 230V, 4mm² max WINSTA - WAGO 770.813/G11-000			4 Poles 35mm², 125amp max clamp terminals		20A 230V, 4mm² max WINSTA - WAGO 770.813/G11-000
Battery terminal	40A 630V, 10mm² max PHOENIX CONTACT PC6-16/4-G1F,16					
CAN BUS	No				Yes	No
Code	399000	399010	399020	399030	399050	399040

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