



# PLUG AND PLAY BATTERY CHARGER

## Dolphin premium



New robust and compact casing

3 completely isolated battery outputs

User friendly, thanks to the Winsta (Wago) and Phoenix contact connectors wiring & connection is easy

Digital management with up to date RISC microcontroller

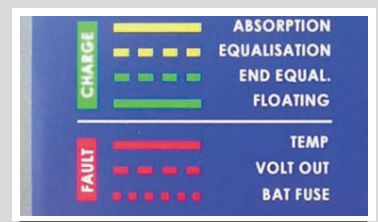
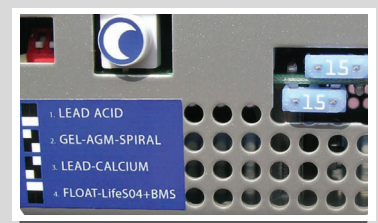
4 charging programs including one for Lithium-Ion-Iron-Phosphate with integrated BMS

Charging program selection by internal dip switch

Automatic weekly equalization for all charging programs

Automatic 115/230V switchover (12V25A, 12V40A & 24V20A only)

Night mode : silent, without fan (12V25A, 12V40A & 24V20A only)



	12V				24V
	10A	15A	25A	40A	20A
<b>Input</b>					
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	7A/3,5A
Fuse (5x20mm)	T2A 250V	T3,15A 250V	T6A 250V	T10A 250V	T10A 250V
<b>Output</b>					
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	2 x F15A 32V
<b>Protection</b>					
	"In case of output overload, Excessive internal temperature Charging voltage too high, Reverse battery polarity (fuse)"				
<b>General</b>					
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 4mm				
Dimensions	96 x 120 x 238 mm			96 x 120 x 354 mm	
Weight	1,30 Kg			1,90 Kg	
Input terminals	"20A 230V, 4mm <sup>2</sup> max Ref : 770.813/G11-000 (WINSTA - WAGO)"				
Battery terminal	"40A 630V, 10mm <sup>2</sup> max Ref : PC6-16/4-G1F,16 (PHOENIX CONTACT)"				
Code	399000	399010	399020	399030	399040