



TOTAL MARINE SOLUTIONS

Phoenix MultiPlus Quattro 120VAC - 60HZ



CHARACTERISTICS

24v: 30-50-80A 48v: 25-50A

Perfect chargers for any type of battery

Charge voltage can be precisely adjusted to suit any sealed or unsealed battery system. In particular, sealed maintenance free batteries must be charged correctly in order to ensure a long service life. Overvoltage will result in excessive gassing and venting of a sealed battery. The battery will dry out and fail.

Controlled charging

Every TG charger has a microprocessor, which accurately controls the charging in three steps. The charging process takes place in accordance with the IUoUo characteristic and charges more rapidly than other processes.

Use of TG chargers as a power supply

As a result of the perfectly stabilised output voltage, a TG charger can be used as a power supply if batteries or large buffer capacitors are not available.

Two outputs to charge two battery banks

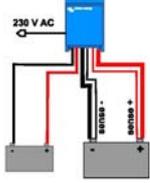
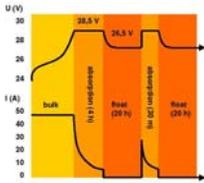
The TG chargers feature two isolated outputs. The second output, limited to approximately 4 A and with a slightly lower output voltage, is intended to top up a starter battery.

To increase battery life: temperature compensation

Every Skylla TG charger comes with a battery temperature sensor. When connected, charge voltage will automatically decrease with increasing battery temperature. This feature is especially recommended for sealed batteries which otherwise might be overcharged and dry out due to venting.

Battery Voltage sense

In order to compensate for voltage loss due to cable resistance, TG chargers are provided with a voltage sense facility so that the battery always receives the correct charge voltage.



ACCESSORIES



Battery Monitor



Skylla Control



Charger Switch

A remote on-off switch



Battery Alarm

An excessively high or low battery voltage is indicated by an audible & visual alarm

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Skylla 24v/48v	24/30 TG 24/30 GMDSS	24/50 TG 24/50 GMDSS 3 phase	24/80 TG	24/100 TG 24/100 TG 3 phase	48/25 TG	48/50 TG
Input Voltage	185-265VAC, 320-450VAC, or 180-400VDC					
Frequency (Hz)	45-65					
Charge voltage ' absorption ' (V DC)	28.5				57	
Charge voltage ' float ' (V DC)	26.5				53	
Battery capacity (A h)	150-300	250-500	400-800	500-1000	125-250	250-500
Charge current house battery (A) ⁽²⁾	30	50	75	100	25	50
Charge current starter battery (A)	4				n.a.	
Charge Characteristic	IUoUo					
Temperature Sensor	Yes					
Can be used as power supply	Yes					
Potential free contacts	Yes					
Protection ⁽¹⁾	a,b,c,d					
Common Characteristic	Temperature:-20 to 60°C (0 - 140°F) Max Humidity: 95%					
ENCLOSURE						
Material & Colour	Aluminium (blue RAL 5012)					
Battery-Connection	M6 Studs					
230 V AC-connection	Screw-clamp 42.5mm ² (AWG 6)					
Protection category	IP21					
Weight (kg)	5.5/6	5.5/13	10	10/23	5.5	10
Dimensions (h x w x d in mm)	365x250x147	365x250x147	365x250x257	365x250x257	365x250x147	365x250x257
STANDARDS						
Safety	EN 60335-2-29					
Emission	EN 55014, EN61000-3-2, EN61000-3-3					
Immunity	EN 55014-2					
Automotive Directive	95/54/EC					

1) Protection a) Output short circuit b) Battery reverse polarity detection c) Battery voltage too high d) Temperature too high

2) Up to 40°C ambient

WIDE INPUT VOLTAGE 90-265 VAC AND GL APPROVAL MODEL AVAILABLE