

Skylla TG Series

THREE STEP BATTERY CHARGER

FEATURES

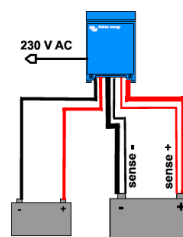
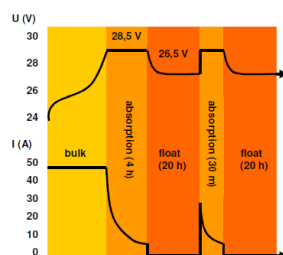
- 720W - 2400W
- 24V and 48V Systems
- Three Step Charger
- Temp Compensation
- On 24V models 2 separate outputs
- Charge 2 battery banks
- Corrosion Resistant



SPECIFICATIONS

INPUT		PROTECTION	
Input voltage	1ph: 185-264Vac 3ph: 320-450Vac 180-400Vdc	Short circuit	Yes. output short circuit protection
Input frequency	45 - 65Hz	Battery connection	Yes, battery reverse polarity detection
Power factor	1.0	Battery voltage	Yes, battery voltage too high
OUTPUT		Over temperature	Yes, temperature too high protection
Battery Charging	Optimum absorption charge and float charge voltages for Flooded Lead-acid, Gel-Cell or AGM batteries. Selectable by dip switch	STANDARDS	
Absorption Charge voltage	28.5Vdc and 57Vdc See selection table.	Safety	EN60335-1, EN60335-2-29.
Float Charge voltage	26.5Vdc and 53Vdc See selection table.	Emission	EN55014, EN61000-3-2
Two Outputs	Two outputs to charge 2 battery banks (24V models only). The TG chargers feature 2 isolated outputs. The second output is limited to approx 4A and with a slightly lower output voltage. It is intended to top up a starter battery. See selection table.	Immunity	EN55014-2, EN61000-3-3
Total output ammeter	Yes.	C-tick	AS/NZS CISPR11: Group 1, Class A.
Charge characteristic	Accurately controls the charging in 3 steps. Charges more rapidly than other processes	ENVIRONMENTAL	
Temperature sensor	Battery temperature sensor supplied. When connected charge voltage will automatically decrease with increasing battery temperature.	Operating temperature	-20°C to 60°C.
Battery Monitor	The BMV 600S battery monitor features an advanced control and measuring system for battery voltage and charge/discharge current. The battery monitor selectively displays battery voltage, current, consumed AH or time to go.	Derating	Full load up to 40C ambient, Output will reduce to approximately 80% of nominal at 50C and 60% of nominal at 60C
Skylla Control	The Skylla Control allows you to alter the charge current and see the system status	Cooling	Temperature and current controlled fan.
Charger switch	A remote on-off switch	Humidity	95% max (non condensing).
Remote alarm	Potential free contacts 60V / 1A (1 x NO & 1 x NC)	MECHANICAL	
		AC connection	Screw-clamp 2-5mm ² (AWG 6)
		Battery connection	M8 studs
		Protection category	IP21.
		Material & colour	Aluminum epoxy powder coated cases (blue RAL 5012), Stainless steel fixings
		Size & Weight	24/30TG-24/50TG: 365x250x147mm, 5.5Kg 24/50TG 3Phase: 365x250x257mm, 13Kg 24/80TG: 365x250x257mm, 10Kg 24/100TG: 365x250x257mm, 10Kg 24/100TG 3Phase: 515x260x265mm, 23Kg 48/25TG: 365x250x147mm, 5.5Kg 48/50TG: 365x250x257mm, 10Kg

APPLICATION



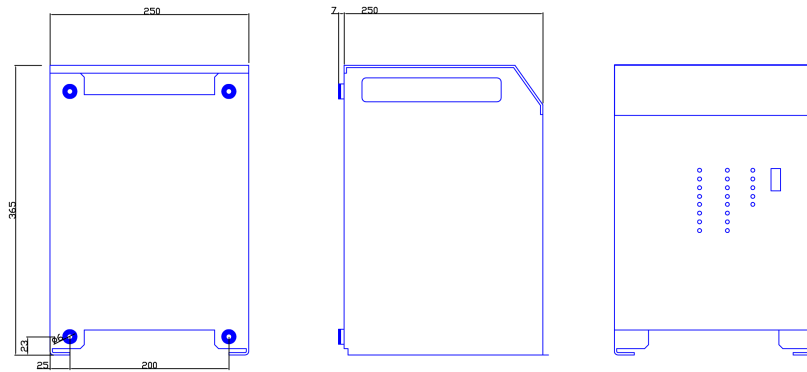
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THREE STEP BATTERY CHARGER

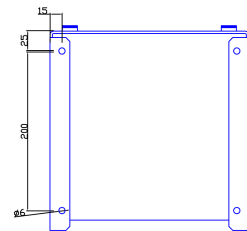
SELECTION TABLE

MODEL NUMBER	ABSORPTION CHARGE VOLTAGE	FLOAT CHARGE VOLTAGE	OUTPUT CURRENT	BATTERY CONNECTION	RECOMMENDED BATTERY SIZE
Skylla TG 24/30	28.5V	26.5V	30A	M8 Studs	150-500Ah
Skylla TG 24/50	28.5V	26.5V	50A	M8 Studs	150-500Ah
Skylla TG 24/50 3-Phase	28.5V	26.5V	50A	M8 Studs	250-500Ah
Skylla TG 24/80	28.5V	26.5V	80A	M8 Studs	400-800Ah
Skylla TG 24/100	28.5V	26.5V	100A	M8 Studs	500-1000Ah
Skylla TG 24/100 3-Phase	28.55V	26.5V	100A	M8 Studs	500-1000Ah
Skylla TG 48/25	57V	53V	25A	M8 Studs	125-250Ah
Skylla TG 48/50	57V	53V	50A	M8 Studs	250-500Ah

TECHNICAL ILLUSTRATION



Skylla 24/80 TG
Skylla 24/100 TG



Skylla 24/30 TG
Skylla 24/50 TG
Skylla 48/25 TG
Skylla 48/50 TG