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TECHNICAL SPECIFICATION

**24V ,80A
Battery Charger**

SINo	Description	
1	Model Number	WEBC330240070TFCBC
2	Type of Charger	Thyristor Controlled, Constant voltage, Constant Current, Current limiting
3	Input supply	415V (+5 % , -10%) 3Phase 3Wire,50Hz, AC
4	Rated DC Voltage	24V
5	Rated DC Current	80A
6	Mode	<ul style="list-style-type: none">• Float• Boost• Auto• Constant Current Control
7	Float voltage	20 V -26.7 V @ 2.235 V/Cell
8	Boost Voltage	20 V - 28.8 V @ 2.4 V/ Cell
9	Rectifier bridge	Full wave controlled
10	Limit Current	8 - 80A Settable
11	Ripple	Less than 3% (Without Battery) Less than 1% (With Battery)
12	Efficiency	Greater than 80% at full load @ Nominal AC input
13	Regulation	+/-1%
14	Battery Type	VRLA / Non VRLA
15	Ambient Temperature Operation	Up to 45°C
16	Indicating Instruments-Analog	<ul style="list-style-type: none">• DC Voltmeter (Common for Charger, Load & Battery) With selector• AC Voltmeter• Ammeter (Common for Charger & Load) with selector• Ammeter for Battery Current

17	Indications	<ul style="list-style-type: none"> • R Y B Indications • Float ON • Boost ON • Over load
18	Alarms	<ol style="list-style-type: none"> 1. Charger fail 2. DC output high/ low 3. Earth Fault 4. AC Under voltage & Over voltage 5. Battery Under voltage & Over voltage
19	Switches and Controls	<ul style="list-style-type: none"> • Charger ON /OFF • AC Volt Selector • AC Current Selector • DC Volt (Charger /Battery/ Load) • DC Current (Charger /Load) • Mode Selector (Float /Boost Voltage/ Auto)
20	Protections Provided	<ul style="list-style-type: none"> • AC input circuit breaker • Rectifier Input Fuses • Fuse in series with capacitor • Fuse at charger output • Fuse at the Battery • Against Single phasing • AC under voltage ,AC over voltage • Over load protection • Short circuit protection
21	DCDB	<ul style="list-style-type: none"> • MCB 2A-3 Nos. • MCB 6A - 4 Nos. • MCB 10A -3 Nos. • MCB 16A -5 Nos. • MCB- 20A- 1 No. • MCB-32A -1 No.
22	Paint	RAL 7035
23	Cooling	Forced Air Cooling
24	Storage Temperature	Up to 70 deg C
25	Working Humidity	20 - 90%RH non condensing

26	Routine Test(Conducted at Waves Electronics Pvt.Ltd)	<ul style="list-style-type: none"> • Visual & Dimensional • Insulation resistance • Indications and Alarms • Measurement of Voltage Regulation • Measurement of Ripple • Charger Functions
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