

Lithium-ion battery
charger for military
applications

BB2590 LITHIUM-ION BATTERY BENCH CHARGER

THE DENCHI POWER
BB2590 BENCH CHARGER
KEEPS YOUR ARMY
ON THE MOVE

The Denchi Power BB2590 Bench Charger is a reliable lightweight workhorse designed for those applications when battery charging on the bench or in a workshop is needed. It is designed to charge all versions of the common BB2590 battery and has all of the necessary control electronics to accommodate this task.

The Bench Charger accepts both the standard European 240 Volt AC Input, as well as the US 110 Volt Input. It can be supplied with a number of Input cables so allowing it to be used in any theatre and to be plugged in to any AC mains source.

This charger is one of the latest in a long line of successful Denchi Power products that have delivered powerful energy solutions to soldiers operating in active theatres. Denchi Power continues to develop the latest battery and charger technologies, to meet the evolving needs of military forces.



DENCHI
POWER

BB2590 BENCH CHARGER

Part number: 210510
NSN: Pending

SPECIFICATIONS

Technical Data:

Technology	Charger
Input AC Voltage	90-264 V2-pins IEC 320
Max Output Power	60W
Standby Voltage	16.4± 0.15V
Efficiency (100% @ 230V)	-82%
Line Frequency	47-63 Hz
Max. Discharge Current	350A
Switch Frequency (approx)	40kHz
Insulation Class	II
Height	44 mm
Width	80mm
Length	135 mm
Weight	390 g

Charge Control

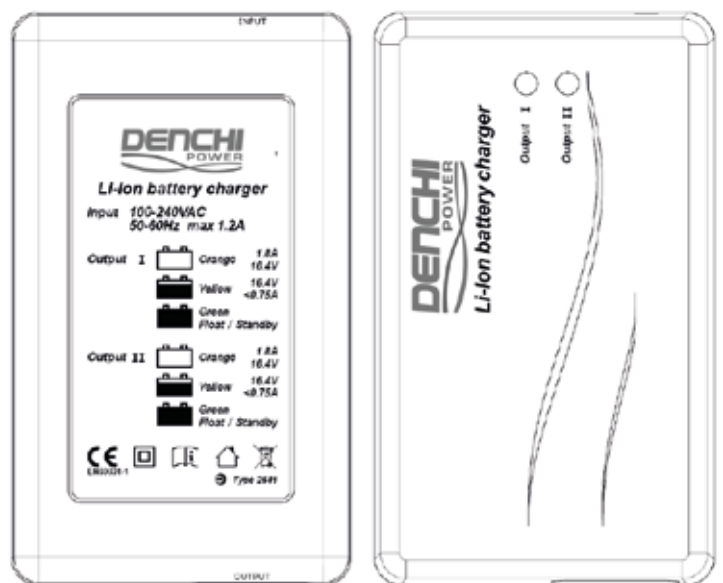
- Charge Current (orange) 2.0A ± 0.1A
 - Charge Voltage 16.8 ± -0.1V
 - Charge current when LED turns YELLOW 800mA + -15%
 - Charge current when LED turns GREEN 250mA + -20%
- charge Termination

IP-Grade	41
Safety	EN60601-1 EN60601-1 EN60335-2-29
Reliability (MIL-HDBK-217F)	MTBF>150.000h at 30°C and full load
EMC Standards	
· Medical	EN 60601-1-2
· Emission	EN 61000-6-3
Output Terminals	Cord with/without plug to suit either UK/EUR/US
Temperature Range	
· Operating	-25°C to +40°C
· Storage	-25°C to +85°C
Insulation Voltage Primary to Secondary	4000VAC/5700VDC
Application	BB2590 charger

Features & Benefits:

- 3-step charge control with current detection as charge termination
- Switch mode charger with universal input voltage (90–264VAC)
- Medical approved (EN 60601)
- 2-pin IEC 320
- Mounting bracket available
- Mains cord and AC plugs supplied to suit UK, Europe or US standards
- BB2590 Battery terminal mating plug
- Protected against reversed polarity & short

Dimensions:



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