

- A Unique Battery Charger
- Fully Automatic
- Electronically safe against user errors!
- Smart Option for computerized battery charging and management!

SWITCH MODE BATTERY CHARGER



Charges 6V & 12V Batteries

MCU controlled, fully interactive

Returns to last selected Mode when restarted

Select for 6V or 12V Battery, rest is 100% automatic from Charge to Maintenance!!

Charges WET/Flooded, GEL, AGM type Lead-Acid Rechargeable Batteries

Automatically Diagnoses, Recovers, Charges & Maintains Batteries for months...

Additional unique check & verification ensures greater efficiency

Technical Data

MODEL	BX-3
Input Voltage AC	220-240VAC, 50/60Hz
Input Operational Voltage AC	170-260VAC, 50/60Hz (Reduced efficiency)
Output Voltage	6V & 12V (Manual-Select)
Input Current	0.4A RMS max
Efficiency	>75%
Charging Voltage	
Normal Temperature Mode	7.2V±0.125V (for 6V Battery), 14.4V±0.25V (for 12V Battery)
Maintenance Charging Mode	6.8V±0.125V (for 6V Battery), 13.6V±0.25V (for 12V Battery)
Recovery Mode	8V (for 6V Battery), 16V (for 12V Battery)
Charging Current	1.0A±0.1A or 0.6A±0.1A or 0.2A±0.05A or 0.2A ON 30 min and OFF 30 min, 0.1A±0.05A
Back Current Drain*	<5mA
Ripple**	Max 150mV, 0.3A
Ambient Temperature	-20°C to +50°C/-4°F to +122°F Reduced output power at higher temperature
Type of Charger	Five step, switch mode with Recovering, fully automatic, battery capacitance verification stage with maintenance charging
Type of Batteries	6V & 12V Lead-acid rechargeable batteries (WET, MF, AGM and GEL)
Battery Capacity	1.2-12Ah (for 6V battery) and 1.2-60Ah (for 12V battery)
Dimensions (LxWxH)	140x60x34.5mm
Housing Protection	IP65 (Dust and Splash proof) Indoor use
Weight	0.38kg
Noise Level	<50 dB (Tested from a distance of 50cm)

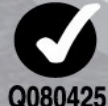
Bulk Charging Time

Time required for the BENTON® BX-3 to complete a charge on a normally discharged battery is roughly equal to the battery's Ah rating. Deep-discharged battery might take longer time to charge.

Battery Size (Ah)	For about 80% Charge (hours)	
	6V	12V
1.2	3	3
2	4.5	4.5
10	20	20
12	25	25
20		40
30		60
40		80
50		100
60		120

Note: Above table for reference only. Actual data may differ due to battery condition.

Application



BX-3