



BC 500 Series Features:

- Primary switched with PFC
- Wide range 90 - 264Vac 50 - 60Hz input
- Automatic battery charger with I-U-U characteristic
- Reverse polarity protected
- Compact size and light weight
- Low cost
- Safety to EN60950
- EMI: EN55014 part 1, EN50014 part 2

Description

The BC500 series of automatic battery chargers are suitable for charging lead acid batteries up to 300Ah. Overall efficiency is an impressive 75% to 78% depending on output voltage. Batteries can easily be connected to the conveniently mounted front panel charging terminals and are charged according to the I-U-U characteristic with automatic crossover from quick charge (14.4V) to trickle charge (13.8V) arranged by an inbuilt timer function. A three colour led on the front panel displays the charging mode. The battery chargers are protected against reverse polarity. All models are designed to operate at full power in ambient temperatures of up to 40°C, whilst an integral temperature controlled fan cools the unit as the charging mode is initiated.

These versatile and economical chargers are compact and light weight, and come with fitted mounting brackets for wall mounting, or when removed, for desk mounting.

Selection

Battery Voltage	Output Current (Amps)	Output Power (Watts)	Dimensions (mm)			Model Type
			W	H	D	
12	11	150	110	58	226	EA-BC512-11R/T
24	5.5	150	210	132	255	EA-BC524-06R/T
42	3.2	150	210	132	255	EA-BC542-03R/T
48	2.8	150	210	132	255	EA-BC548-03R/T
12	14.5	200	110	58	226	EA-BC512-15R/T
24	7.4	200	210	132	255	EA-BC524-07R/T
42	4.2	200	210	132	255	EA-BC542-04R/T
48	3.7	200	210	132	255	EA-BC548-04R/T
12	20.5	300	110	58	226	EA-BC512-21R/T
24	11	300	210	132	255	EA-BC524-11R/T
42	6.4	300	210	132	255	EA-BC542-06R/T
48	5.5	300	210	132	255	EA-BC548-06R/T