

**Model BK12V7H2A battery and BCH1205 charger  
SUITABLE for 2.3", 4" and 7" DISPLAYS**

For LED clock / timer models for 12VDC supply, an external 12V battery is necessary. It allows to run the display for several hours per charge and it requires a separate battery charger.



Model BK12V7H2A battery

Model BCH1205 charger

The actual units may not be exactly as shown.

In the field, where the line power is not available, this battery supply may be used to power up the clock / timer for several hours of operation. It can be fully recharged by connecting the automatic battery charger that can be plugged directly into the power line outlet.

**BATTERY SPECIFICATIONS:**

Battery type: Sealed Rechargeable Lead Acid  
 Battery voltage: 12.3 to 13.5 VDC  
 Battery capacity: 7 AH  
 Max. discharge current: 2Amp.  
 Operating temperature: +4F to +122F ( -20 to +50C )  
 Enclosure: Aluminum  
 Dimensions ( without feet ): 7.38" x 4.7" x 3.07"  
 188mm x 120mm x 78mm

**CHARGER SPECIFICATIONS:**

Charger input voltage: 100 to 250V ac, 50/60Hz  
 Charger output voltage: 15VDC max.  
 Charger output current: 0.5A max.  
 Charger indicator lamp:  
 RED steady Charging  
 RED flashing: Overload or wrong polarity  
 GREEN steady: Charge complete  
 AMBER flashing: Power On  
 Operating temperature: +32F to +104F ( 0 to +40C )  
 Dimensions: 3.75" x 2.10" x 1.25"  
 95mm x 53mm x 32mm

The battery charge retention period depends upon the backup model and the brightness of the display. The display operating times at low to medium brightness:

For 2.3 inch displays:	up to 14 hours
For 4 inch, 4 digits displays:	up to 14 hours
For 4 inch, 6 digits displays:	up to 12 hours
For 7 inch, 4 digits displays:	up to 7 hours
For 7 inch, 6 digits displays:	up to 6 hours

- NOTE 1: The battery backup units are not waterproof. Keep away from fluids and condensing humidity.  
 NOTE 2: Do not short circuit the battery output terminals.  
 NOTE 3: Avoid deep discharge.  
 NOTE 4: Make sure that the backup has been fully charged before use in the field. The charger is fully automatic and may be kept plugged into the power line as often as possible.  
 NOTE 5: To conserve the battery charge, keep the display brightness as low as possible.

