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You can read the recommendations in the user guide, the technical guide or the installation guide for LA CROSSE TECHNOLOGY RS1000. You'll find the answers to all your questions on the LA CROSSE TECHNOLOGY RS1000 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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BATTERY CHARGER RS-1000
Instruction Manual

BEFORE USING OUR BATTERY CHARGER RS1000, READ IN DETAILS ALL INSTRUCTIONS CONTAINED IN THIS MANUAL. KEEP THIS MANUAL IN A SAFE PLACE AS YOU MAY NEED TO USE IT AT A LATER DATE.

We draw the attention of all users of this device: please follow the safety and maintenance instructions which are part of this manual. Also read the caution markings on the charger, the manual, and the gift box.



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If the charger and/or the batteries are overheated to a dangerous temperature, or if the charger has detected a wrong charging signal in its circuit, the charging will be stopped immediately for all channels charging and discharging. The charger then will automatically reset. User may need to reset the operating mode for the charger.

DISCHARGE MODE Discharge mode will first discharge the rechargeable battery then charge it. It is for removing the memory effects of rechargeable batteries. By pressing the **MODE** key within 8 seconds after inserting the rechargeable batteries, the Discharge mode can be selected. (The mode key shall first be pressed and held for about 1 second to activate the mode change.) Then user may also select different discharging current (see Table 2) by pressing the **CURRENT** key, within 8 seconds after inserting the batteries. (The display will blink once to indicate the setting has been confirmed and the current cannot be changed afterward.) 49 Discharging current: 250 mA Discharge Mode Note: The discharging current is always set to be half of the coming charging current whose upper limit is 1000 mA (see Table 2). Therefore user is recommended to carefully select the discharging current. User can use different display modes to monitor the rechargeable battery condition during the different operations (see below figure and Table 4 to 7). Different display modes are exhibited: Charging current, Time, Voltage and Capacity Different operating modes 56 Table 4. Various displays in Charge Mode Various displays (toggled by pressing **DISPLAY** key) Stage in Charge Capacity mode Voltage (V) Current (mA) *Time (hh:mm) (mAh/ Ah) During charging Full stage Instantaneous Battery voltage Charging current Trickle charging current Charging time elapsed Accumulated capacity 57 Table 5. Various displays in Discharge Mode Various displays (toggled by pressing **DISPLAY** key) Stage in Capacity Discharge mode Voltage (V) Current (mA) *Time (hh:mm) (mAh/ Ah) During Discharging Discharging time Capacity during discharging current elapsed discharging Instantaneous Battery voltage During charging Charging current Charging time Accumulated elapsed capacity Trickle charging Full stage current 58 Table 6. Various displays in Refresh Mode Various displays (toggled by pressing **DISPLAY** key) Stage in Refresh Capacity mode Voltage (V) Current (mA) *Time (hh:mm) (mAh/ Ah) During Instantaneous Discharging Discharging time Capacity during discharging Battery voltage current elapsed discharging processes Capacity During charging Instantaneous Charging time Charging current determined in last processes Battery voltage elapsed time discharging Maximum battery Instantaneous Trickle charging Elapsed time of capacity Full stage Battery voltage current last discharging determined in discharging 59 Table 7. Various displays in Test Mode Various displays (toggled by pressing **DISPLAY** key) Stage in Test Capacity mode Voltage (V) Current (mA) *Time (hh:mm) (mAh/ Ah) Charging time During charging Charging current "--- mAh" elapsed During Discharging Discharging time "--- mAh" discharging current elapsed Capacity of the Instantaneous During 2nd 2nd charging time battery Charging current Battery voltage determined in charging elapsed discharging Capacity of the Trickle charging Discharging time battery Full stage current elapsed determined in discharging 60 Note: · · *The timer will be resumed and counted from 00:00 again after the time elapsed is longer than 20 hours. (For example, 1:45 will be shown after the battery has been refreshed for 21 hr and 45 min.) In case the power source is shortly interrupted or terminated when the charger is being operated, the operational mode will automatically be set to "Charge mode at 200 mA" to charge up the battery once the power source is back to normal, regardless the operating mode (Charge, Discharge, Refresh or Test) which has been selected by user before.

61 **THE SIZE C AND SIZE D BATTERY ADAPTERS (FREE ACCESSORY)** The battery adapters are used for connecting the AA battery to the electric devices requiring Size C or D batteries. To apply the adapter: 1. Install the AA battery to Size C or Size D adapter as below. The AA battery used with the Size C adapter 62 The AA battery used with the Size D adapter (it is required to place the battery into the "C" adapter first and then the "D" adapter) 2. Ensure the polarity is correct and the assembling condition is good.

Note: User shall stop using the adaptor when there are any cracks or damages observed in the adaptor, and in case undesired smell comes out while applying the adapter in certain kinds of electric device. **CARE AND MAINTENANCE:** Extreme temperatures, vibration and shock should be avoided as these may cause damage to the unit When cleaning the displays and casings, use a soft damp cloth only. Do not wet the exposed metal part of the charging unit. Do not use solvents or scouring agents as they may mark the LCD and casing. Do not spill water to the charging unit. Do not make any repair attempts to the units. @@Opening and tampering with the units may invalidate its guarantee. @@@@The specifications of this product may change without prior notice. This product is not a toy. Keep out of the reach of children.

No part of this manual may be reproduced without written consent of the manufacturer. 64 **CAUTION - SAFETY INSTRUCTIONS :** Attention of users is drawn to the following important safety instructions: · As stated in the manual above », only use NiCd or NiMH rechargeable batteries. · Indoor use only, do not expose to humidity. Do not place in water or submit to rain and/or snow. Do not store or use near by an extreme heat. Keep batteries away from the fire. · Do not use any accessories not supplied with the charger, unless recommended by La Crosse Technology. Especially, never use any power cable and transformer other than those originally supplied with the charging unit. · Disconnect the AC/DC when not in use · Do not operate the charger if it has received a blow or has been subject to any damage. · Do not use the Battery charger for other purposes than the Only one originally forecast · Do not open or/and disassemble the charger: such handling may result in a risk of electric shock or fire.



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