

# DIGITAL Universal Automatic Battery Charger



## Function:

Digital Universal Automatic Battery Charger is a must for defense, transport depot etc. These chargers can charge almost any type of batteries.

Volt selector switch facilitates selection of battery volt from 12 volt to 72 volt. It can charge battery by set Amps. This is useful features to boost charge deeply discharged battery. Input supply is taken from connector on Back side terminals. Out put is terminated on front panel. MCB for input and Output are provided on front panel. The system has heavy duty-double wound transformer, Full wave bridge rectifier, over load control, Protection against Battery reverse connection. Temperature protection for over heating of rectifier is provided.



## Technical Specifications:

|                     |  |
|---------------------|--|
| Type of equipment   | : Digital Battery Charger                      |
| Input Voltage range | : 170 - 270 V.                                 |
| Supply              | : Single phase, 50 Hz. +/- 2 Hz.               |
| Output Volts        | : 2 - 72 volts.(As per model selected)         |
|                     | : Fine voltage setting by knob                 |
| Output Current      | : 10-15-20-25 Amps max.(As per model selected) |
|                     | : Fine Current setting by knob.                |
| Battery Volt Select | : Selection by Rotary Switch.                  |
| Regulation          | : +/- 1 %                                      |
| Instrumentation     | : Digital Volt meter                           |
|                     | : Digital Amps meter                           |
| Switches            | : System ON/ OFF                               |
|                     | : Volt selector switch                         |
| Operateing Temp.    | : -10 to 55°                                   |
| Indications         | : Mains ON                                     |
|                     | : Battery Reverse                              |
|                     | : Over Load                                    |
|                     | : Over Temp.                                   |
| MCBs                | : for Mains                                    |
| Output terminals    | : Red & Black                                  |
| Protection          | : Overload                                     |
|                     | : Over Temperature                             |
|                     | : Battery Reverse                              |
| Audio Alarm         | : Overload, Over Temp. ,<br>Battery Rev.       |

### Selection Chart

| Model        | Capacity | Battery Volt Selector |    |    |    |    |    |
|--------------|----------|-----------------------|----|----|----|----|----|
| No.          | Amps     | Switching Volt        |    |    |    |    |    |
| BUABC 2415-6 | 15       | 2                     | 4  | 6  | 12 | 18 | 24 |
| BUABC 2415-3 |          | 6                     | 12 | 24 |    |    |    |
| BUABC 2420-6 | 20       | 2                     | 4  | 6  | 12 | 18 | 24 |
| BUABC 2420-3 |          | 6                     | 12 | 24 |    |    |    |
| BUABC 2425-6 | 25       | 2                     | 4  | 6  | 12 | 18 | 24 |
| BUABC 2425-3 |          | 6                     | 12 | 24 |    |    |    |
| BUABC 3615-6 | 15       | 2                     | 4  | 12 | 18 | 24 | 36 |
| BUABC 3620-5 | 20       | 6                     | 12 | 18 | 24 | 36 |    |
| BUABC 3625-5 | 25       | 6                     | 12 | 18 | 24 | 36 |    |
| BUABC 4810   | 10       |                       |    | 12 | 24 | 36 | 48 |
| BUABC 4815-6 | 15       | 6                     | 12 | 18 | 24 | 36 | 48 |
| BUABC 4820-6 | 20       | 6                     | 12 | 18 | 24 | 36 | 48 |
| BUABC 4825-6 | 25       | 6                     | 12 | 18 | 24 | 36 | 48 |
| BUABC 7215-6 | 15       | 12                    | 24 | 36 | 48 | 60 | 72 |
| BUABC 7220-6 | 20       | 12                    | 24 | 36 | 48 | 60 | 72 |
| BUABC 7225-6 | 25       | 12                    | 24 | 36 | 48 | 60 | 72 |

\* Picture of charger is for illustration only. Actual charger may be different as per selection of model.

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