

RAPIDTRON ELECTRONIKA PRIVATE LIMITED

CHARGING DEVICES FOR ALL EV's



3 Wheeler Li-ion/lead Acid Charger

Salient Features:

- Microcontroller based intelligent charger.
- Suitable for NMC & LFP Li-ion batteries or Equivalent.
- High Efficiency- Consumes very less power.
- Deep discharge charging capability.
- Very precise voltage and current limits.
- Over charge, temperature and voltage protections.
- CC, CV, Pre charge and trickle mode features are available.
- Passed Bump & Vibration tests (From ETDC-HYD) in line with Auto standards.
- Compact Design – Easy to carry.
- ISO9001:2015 certified company.
- Enhances the battery life.

Corporate office & Factory address:

Plot No.1,2&3, Sy No.25 ANR Arcade, 2nd Floor, Near Rampally X Roads,
Nagaram, Keesara Mandel, Medchal - Malkajgiri dist, Hyderabad- 500083,
Telangana, India. www.rapidtron.co.in, Ph.:93904 58854 / 91542 46620.

Powering the future...

Three Wheeler Li-Ion/Lead Acid Chargers

1. 48V/15A - Model No: RE3AC4815

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<8A @ 230VAC, FULL LOAD
DC OUTPUT	
OUTPUT VOLTAGE	58.4V/65VDC ± 0.50V (Can be set as per customer requirement)
OUTPUT NOMINAL VOLTAGE	48V DC
OUTPUT CURRENT	15 Amp ± 0.3A
RIPPLE	<600mV. Pk - Pk, at Nominal Input
NOISE	< 1200mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVERLOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
CHARGING SAFETY TIMER	Available
ENVIRONMENT	
TEMPERATURE	Operation Ambient 0°C to + 50°C Storage -20°C to + 75°C ambient.
INDICATIONS	
MAINS ON	Red LED ON
CHARGER ON/ CHARGING	25% Green Led Blinking/constant
CHARGE COMPLETE	All LED'S On and constant
ELECTRICAL WIRES	
AC INPUT CONNECTION	3pin AC plug with 3 core Cable, 1.5 Meter length
DC OUTPUT	2core cable with 1.5 meter length
MECHANICAL DETAILS	
DIMENSIONS.	W = 153mm H = 91mm L = 242mm
WEIGHT (Unpacked)	Max. 3.0 KG's

2. 60V/15A - Model No: RE3AC6015

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<10A @ 230VAC, FULL LOAD
DC OUTPUT	
OUTPUT VOLTAGE	67.2V/81.25VDC ± 0.3V (Can be set as per customer requirement)
OUTPUT NOMINAL VOLTAGE	60V DC
OUTPUT CURRENT	15.0 Amp ± 0.3A
RIPPLE	<800mV. Pk - Pk, at Nominal Input
NOISE	< 1600mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVERLOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
CHARGING SAFETY TIMER	Available
ENVIRONMENT	
TEMPERATURE	Operation Ambient 0°C to + 50°C Storage -20°C to + 75°C ambient.
INDICATIONS	
MAINS ON	Red LED ON
CHARGER ON/ CHARGING	25% Green Led Blinking/Constant
CHARGE COMPLETE	All LED'S On and constant
ELECTRICAL WIRES	
AC INPUT CONNECTION	3pin AC plug with 3 core Cable, 1.5 Meter length
DC OUTPUT	2core cable with 1.5 meter length
MECHANICAL DETAILS	
DIMENSIONS.	W = 153mm H = 91mm L = 259mm
WEIGHT (Unpacked)	Max. 3.0 KG's

3. 48V/20A - Model No: RE3AC4820

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<11A @ 230VAC, FULL LOAD
DC OUTPUT	
OUTPUT VOLTAGE	54.2V/58.4 VDC ± 0.30V (Can be set as per customer requirement)
OUTPUT NOMINAL VOLTAGE	48V DC
OUTPUT CURRENT	20 Amp ± 0.3A
RIPPLE	<600mV. Pk - Pk, at Nominal Input
NOISE	< 1200mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVERLOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
CHARGING SAFETY TIMER	Available
ENVIRONMENT	
TEMPERATURE	Operation Ambient 0°C to + 50°C Storage -20°C to + 75°C ambient.
INDICATIONS	
MAINS ON	Red LED ON
CHARGER ON/ CHARGING	25% Green LED Blinking/Constant
CHARGE COMPLETE	All LED'S On and constant
ELECTRICAL WIRES	
AC INPUT CONNECTION	3pin AC plug with 3 core Cable, 1.5 Meter length
DC OUTPUT	2core cable with sb-50, 1.5 meter length
MECHANICAL DETAILS	
DIMENSIONS.	W = 153mm H = 91mm L = 259mm
WEIGHT (Unpacked)	Max. 3.0 KG's

4. 60V/20A - Model No: RE3AC6020

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<12A @ 230VAC, FULL LOAD
DC OUTPUT	
OUTPUT VOLTAGE	67.2V/69.3VDC ± 0.30V (Can be set as per customer requirement)
OUTPUT NOMINAL VOLTAGE	60V DC
OUTPUT CURRENT	20.0 Amp ± 0.3A
RIPPLE	<700mV. Pk - Pk, at Nominal Input
NOISE	< 1400mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVERLOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
CHARGING SAFETY TIMER	Available
ENVIRONMENT	
TEMPERATURE	Operation Ambient 0°C to + 50°C Storage -20°C to + 75°C ambient.
INDICATIONS	
MAINS ON	Red LED ON
CHARGER ON/ CHARGING	25% Green LED Blinking/Constant
CHARGE COMPLETE	All LED'S On and constant
ELECTRICAL WIRES	
AC INPUT CONNECTION	3pin AC plug with 3 core Cable, 1.5 Meter length
DC OUTPUT	2core cable with SB-50, 1.5 meter length
MECHANICAL DETAILS	
DIMENSIONS.	W = 153mm H = 91mm L = 259mm
WEIGHT (Unpacked)	Max. 3 Kg's

5. 48V/25A - Model No: RE3AC4825

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<14A @ 230VAC, FULL LOAD
DC OUTPUT	
OUTPUT VOLTAGE	54.2V/58.4 VDC ± 0.30V(Can be set as per customer requirement)
OUTPUT NOMINAL VOLTAGE	48V DC
OUTPUT CURRENT	25 Amp ± 1.3A
RIPPLE	<600mV. at Nominal Input
NOISE	< 1200mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVERLOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
CHARGING SAFETY TIMER	Available
ENVIRONMENT	
TEMPERATURE	Operation Ambient 0°C to + 50°C Storage -20°C to + 75°C ambient.
INDICATIONS	
MAINS ON	Red LED ON
CHARGER ON/ CHARGING	25% Green LED Blinking/Constant
CHARGE COMPLETE	All LED'S On and constant
ELECTRICAL WIRES	
AC INPUT CONNECTION	3pin AC plug with 3 core Cable, 1.5 Meter length
DC OUTPUT	2core cable with 1.5 meter length
MECHANICAL DETAILS	
DIMENSIONS.	W = 153mm H = 91mm L = 283mm
WEIGHT (Unpacked)	Max. 3.3 Kg's (Apprx).

6. 72V/15A - Model No: RE3AC7215

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<11A @ 230VAC, FULL LOAD
DC OUTPUT	
OUTPUT VOLTAGE	84VDC ± 0.30V (Can be set as per customer requirement)
OUTPUT NOMINAL VOLTAGE	72V DC
OUTPUT CURRENT	15.0 Amp ± 0.3A
RIPPLE	<900mV. Pk - Pk, at Nominal Input
NOISE	< 1800mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVERLOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
CHARGING SAFETY TIMER	Available
ENVIRONMENT	
TEMPERATURE	Operation Ambient 0°C to + 50°C Storage -20°C to + 75°C ambient.
INDICATIONS	
MAINS ON	Red LED ON
CHARGER ON/ CHARGING	25% Green LED Blinking/Constant
CHARGE COMPLETE	All LED'S On and constant
ELECTRICAL WIRES	
AC INPUT CONNECTION	3pin AC plug with 3 core Cable, 1.5 Meter length
DC OUTPUT	2core cable with 1.5 meter length
MECHANICAL DETAILS	
DIMENSIONS.	W = 153mm H = 91mm L = 242mm (Tentative)
WEIGHT (Unpacked)	Max. 3 Kg's