



3KW Li-ion Battery Charger with CAN/NON CAN

Salient Features:

- Microcontroller based intelligent charger.
- Suitable for NMC & LFP Li-ion batteries or Equivalent.
- High Efficiency- >95% at full load.
- Deep discharge charging capability.
- Built in Power factor correction.
- Very precise voltage and current limits.
- Over charge, temperature and voltage protections.
- Built in AC input high and low voltage protection
- high operating temperature capability up to 50 deg C.
- DOD, CC, CV, Pre charge and trickle mode features are available.
- Compatible to Bump & Vibration tests in line with Auto standards.
- Advance Technology: Full bridge phase shift Topology.
- 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 Mandal, Medchal - Malkajgiri dist, Hyderabad- 500083,
Telangana, India. www.rapidtron.co.in, Ph.:93904 58854 / 91542 46620.

Powering the future...

3KW Li-Ion EV Chargers

48V/30A Charger Model No: RE3AC4830

Specifications:

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<15A @ 230VAC, FULL LOAD
PFC	Yes
DC OUTPUT	
OUTPUT MAX VOLTAGE	54.2V/58.4V DC $\pm$ 0.50V
OUTPUT NOMINAL VOLTAGE	48V DC
OUTPUT CURRENT	30 Amp $\pm$ 1.2A
RIPPLE	<1000mV. Pk Pk, at Nominal Input
NOISE	< 2000mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVER LOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
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 = 198mm H = 101mm L = 320mm
WEIGHT (Unpacked)	Max. 4.0Kg's

48V/50A Charger Model No: RE3AC4850

Specifications:

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<20A @ 230VAC, FULL LOAD
PFC	Yes
DC OUTPUT	
OUTPUT MAX VOLTAGE	54.2V/58.4V DC $\pm$ 0.50V
OUTPUT NOMINAL VOLTAGE	48V DC
OUTPUT CURRENT	50 Amp $\pm$ 2A
RIPPLE	<1000mV. Pk Pk, at Nominal Input
NOISE	< 2000mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVER LOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
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 = 198mm H = 101mm L = 320mm
WEIGHT (Unpacked)	Max. 4.0Kg's

60V/40A Charger Model No: RE3AC6040

Specifications:

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<20A @ 230VAC, FULL LOAD
PFC	Yes
DC OUTPUT	
OUTPUT MAX VOLTAGE	67.2V/69.3V DC $\pm$ 0.50V
OUTPUT NOMINAL VOLTAGE	60V DC
OUTPUT CURRENT	40.0 Amp $\pm$ 1.6A
RIPPLE	<1000mV. Pk - Pk, at Nominal Input
NOISE	< 2000mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVER LOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
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 = 198mm H = 101mm L = 320mm
WEIGHT (Unpacked)	Max. 4.0Kg's

72V/35A Charger Model No: RE3AC7235

Specifications:

AC INPUT	
INPUT VOLTAGE RANGE	170V -300VAC
INPUT FREQUENCY RANGE	47Hz - 63Hz
INPUT CURRENT	<20A @ 230VAC, FULL LOAD
PFC	Yes
DC OUTPUT	
OUTPUT MAX VOLTAGE	83V/84V DC $\pm$ 0.50V
OUTPUT NOMINAL VOLTAGE	72V DC
OUTPUT CURRENT	35.0 Amp $\pm$ 1.4A
RIPPLE	<1000mV. Pk - Pk, at Nominal Input
NOISE	< 2000mV. Pk - Pk, at Nominal Input
PROTECTIONS	
OUTPUT OVER LOAD	Available
SHORT CIRCUIT PROTECTION	Available
OUTPUT OVER VOLTAGE	Available
BATTERY REVERSE	Available
OVER TEMPERATURE	Available
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 = 198mm H = 101mm L = 320mm
WEIGHT (Unpacked)	Max. 4.0Kg's