



ISO 9001  
FM 530366



ISO 14001  
EMS 557863



# RTM2\_RPM2

The RTM2 / RPM2 charger is available as 400/230V, 50/60 Hz, three phase input model and 230V, 50/60 Hz, single phase input model. The unit is suited to the recharging needs of lead acid traction batteries.



## TECHNICAL SPECIFICATIONS

- > WA charging mode, in compliance with curve DIN 41774
- > recharge time as low as 8hours, making it suitable for multishift operations, and up to 11h for overnight charging
- > start delay: diagnostics check for correct battery and state of battery
- > pre-charging mode (1h); detection system ensuring prevention of overcharging and charge inhibit for excessively overdischarged batteries
- > desulphating charge
- > proportional Charge
- > Pulsed equalising mode
- > maintenance charge
- > microprocessor controlled and multi-voltage pc board
- > charging progress display
- > all stages are monitored and covered by security systems
- > reliability and quality gained from years of design experience



**MICROPROCESSOR  
CONTROLLED  
CHARGER FOR  
TRACTION BATTERIES**

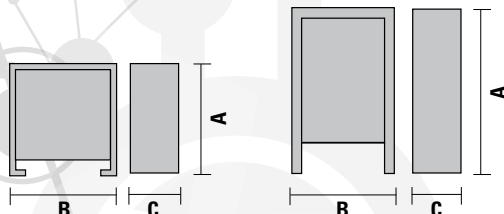
*la Qualità elettronica*



**Nuova Elettra**

# TECHNICAL SPECIFICATIONS

Output voltage	Battery Capacity 8-11h recharge time (Ah)	Current	Input voltage (V)	Weight (Kg)	Charger type	Measur. in mm		
						A	B	C
12 V	50-65	10 A	230	12	RPM-2 12/10	335	300	285
12 V	65-95	15 A	230	12	RPM-2 12/15	335	300	285
12 V	95-125	20 A	230	13	RPM-2 12/20	335	300	285
12 V	125-155	25 A	230	14	RPM-2 12/25	335	300	285
12 V	150-190	30 A	230	15	RPM-2 12/30	335	300	285
12 V	190-250	40 A	230	17	RPM-2 12/40	335	300	285
12 V	250-315	50 A	230	19	RPM-2 12/50	335	300	285
12 V	300-375	60 A	230	21	RPM-2 12/60	335	300	285
24 V	50-65	10 A	230	13	RPM-2 24/10	335	300	285
24 V	65-95	15 A	230	14	RPM-2 24/15	335	300	285
24 V	95-125	20 A	230	15	RPM-2 24/20	335	300	285
24 V	125-155	25 A	230	16	RPM-2 24/25	335	300	285
24 V	150-190	30 A	230	17	RPM-2 24/30	335	300	285
24 V	190-250	40 A	230	19	RPM-2 24/40	335	300	285
24 V	250-315	50 A	230	22	RPM-2 24/50	335	300	285
24 V	300-375	60 A	230	25	RPM-2 24/60	335	300	285
36 V	150-190	30 A	230	22	RPM-2 36/30	335	300	285
36 V	190-250	40 A	230	24	RPM-2 36/40	335	300	285
36 V	250-315	50 A	230	26	RPM-2 36/50	335	300	285
36 V	300-375	60 A	230	27	RPM-2 36/60	335	300	285
24 V	300-375	60 A	3 x 400	39	RTM-2 24/60	760	500	400
24 V	375-500	80 A	3 x 400	44	RTM-2 24/80	760	500	400
24 V	500-625	100 A	3 x 400	47	RTM-2 24/100	760	500	400
24 V	600-750	120 A	3 x 400	52	RTM-2 24/120	760	500	400
24 V	700-875	140 A	3 x 400	56	RTM-2 24/140	760	500	400
24 V	800-1000	160 A	3 x 400	57	RTM-2 24/160	760	500	400
24 V	900-1125	180 A	3 x 400	68	RTM-2 24/180	760	500	400
36 V	300-375	60 A	3 x 400	50	RTM-2 36/60	760	500	400
36 V	375-500	80 A	3 x 400	50	RTM-2 36/80	760	500	400
36 V	500-625	100 A	3 x 400	51	RTM-2 36/100	760	500	400
36 V	600-750	120 A	3 x 400	57	RTM-2 36/120	760	500	400
36 V	750-935	150 A	3 x 400	65	RTM-2 36/150	760	500	400
48 V	300-375	60 A	3 x 400	50	RTM-2 48/60	760	500	400
48 V	375-500	80 A	3 x 400	52	RTM-2 48/80	760	500	400
48 V	500-625	100 A	3 x 400	56	RTM-2 48/100	760	500	400
48 V	600-750	120 A	3 x 400	61	RTM-2 48/120	760	500	400
48 V	750-875	140 A	3 x 400	67	RTM-2 48/140	760	500	400
48 V	800-1000	160 A	3 x 400	85	RTM-2 48/160	760	500	400
48 V	900-1125	180 A	3 x 400	91	RTM-2 48/180	760	500	400
48 V	1000-1300	200 A	3 x 400	99	RTM-2 48/180	760	500	400
72 V	300-375	60 A	3 x 400	61	RTM-2 72/60	760	500	400
72 V	375-500	80 A	3 x 400	65	RTM-2 72/80	760	500	400
72 V	500-625	100 A	3 x 400	71	RTM-2 72/100	760	500	400
72 V	600-750	120 A	3 x 400	78	RTM-2 72/120	760	500	400
72 V	700-875	140 A	3 x 400	90	RTM-2 72/140	900	500	400
80 V	300-375	60 A	3 x 400	66	RTM-2 80/60	760	500	400
80 V	375-500	80 A	3 x 400	68	RTM-2 80/80	760	500	400
80 V	500-625	100 A	3 x 400	79	RTM-2 80/100	760	500	400
80 V	600-750	120 A	3 x 400	86	RTM-2 80/120	760	500	400
80 V	700-875	140 A	3 x 400	95	RTM-2 80/140	900	500	400
80 V	800-1000	160 A	3 x 400	109	RTM-2 80/160	900	500	400
96 V	250-315	50 A	3 x 400	65	RTM-2 96/50	760	500	400
96 V	300-365	60 A	3 x 400	76	RTM-2 96/60	760	500	400
96 V	375-500	80 A	3 x 400	88	RTM-2 96/80	760	500	400
96 V	500-625	100 A	3 x 400	95	RTM-2 96/100	900	500	400
96 V	600-750	120 A	3 x 400	100	RTM-2 96/120	900	500	400



P@INT 0376 616 362



# RTM2 \_ RPM2

## CHARGE PATTERN

**Pre-Charging:** preventing overcharging of fully charged batteries and inhibit charge for over discharged batteries.

**Bulk charge:** battery is charged until the gassing voltage (2,40 VPC). **Proportional Charge:** gassing charged duration governed by Bulk charge duration, to compensate for the degree of discharge.

**Equalising:** bringing all cells to a fully charged condition; equalising mode will follow the end of charge.

**Maintenance Charge:** maintaining the battery in a fully charged condition when it is stood out of service.

## PROTECTIONS

**Off switch:** the unit is automatically switched off by pushing the button. Charging cannot be resumed.

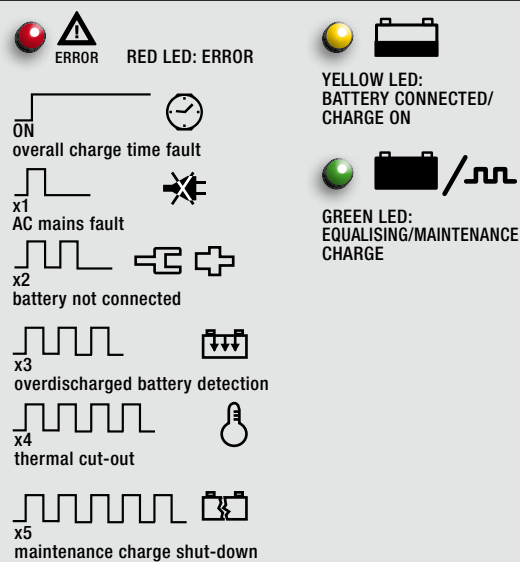
**Overall charge time:** 13h charging if charger sequence malfunctions. Malfunction of charging sequence is indicated by illumination of a red diode.

**RPM2/RTM2** is protected against faults or incorrect battery connection.

The unit incorporates a self-diagnostic system in the event of the following:

- overdischarged battery detection
- battery disconnect shutdown
- thermal cut-out
- maintenance charge shutdown
- phase failure detection

## DISPLAY



FIVE LED'S INDICATE BATTERY VOLTAGE OR STATE OF CHARGE



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