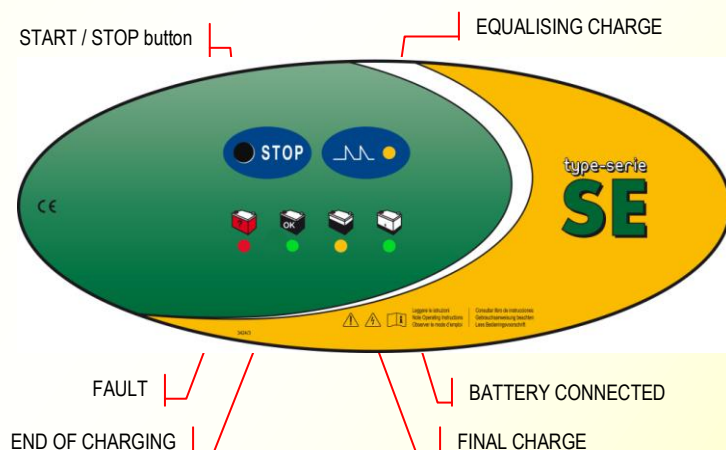


TECHNICAL GENERAL REMARKS

- Single-phase input supply 220/230/240 VAC - Frequency 50/60 Hz.
- Three-phase input supply 220/230/240/250 - 380/400/420/440 VAC - Frequency 50/60 Hz.
- Output voltage: **24/36/48/72/80 VDC**.
- Charging system with decreasing current (**Wa** characteristic): 9 ÷ 11 hours charging time.
- Tropicalized stray-flux transformer, high quality windings with double enamel insulation, class H, impregnated with non-toxic resins, kiln-dried.
- Overload cutout on transformer.
- Rectifier bridge equipped with DC output fuse.
- Polycarbonate plate with charging data very easy to understand.
- Final acceptance test conforming to safety regulations.
- Complete with mains and battery cables (assembly of plugs and battery connectors on request).
- New electronic controller **PBM 751** with microprocessor:
 - Electronic board supply on battery (min. 20V DC)
 - Independent ON/OFF relay contacts with range 250V/16A
 - Automatic start (Autostart 5 sec. or 3 hours)
 - Final charge time (3 or 4 hours)
 - Safety timer at 9h or 11h (on I charging phase)
 - Quick test
 - Proportional charge (selectable)
 - Equalising charge (selectable)
 - START/STOP button on electronic board
 - Two setting mode: preset and adjustable
 - "Manual" operation option
 - Protection fuse on electronic board

LED SIGNALLING

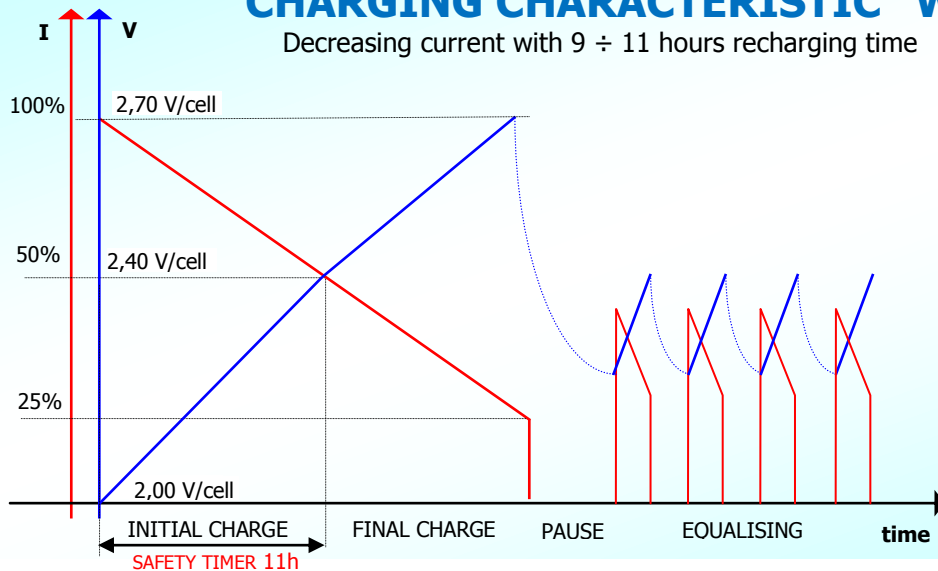
- Immediate readout of the charging phases by means of **5 LEDs signalling**.
- Fault signalling for an immediate failure diagnostics.



CE MADE IN ITALY

CHARGING CHARACTERISTIC "WA"

Decreasing current with 9 ÷ 11 hours recharging time



TYPE	CODE Single-phase	CODE Three-phase	BOX	ABSORPTION Single-phase		ABSORPTION Three-phase			LEAD ACID BATTERY
				230 V	POWER	400 V	230 V	POWER	Wa
				(A)	(kW)	(A)	(A)	(kW)	Ah (9 ÷ 11 h)
24V / 60A	-	98	S	10,0	1,92	3,01	5,9	1,70	360÷390
24V / 80A	500	100	S	12,9	2,37	4,04	7,03	2,24	480÷520
24V / 100A	502	102	S	16,1	2,96	5,05	8,79	2,80	600÷650
24V / 120A	504	104	S	19,3	3,56	6,06	10,5	3,36	700÷780
24V / 140A	506	106	S	22,5	4,15	7,07	12,3	3,92	800÷900
24V / 160A	508	108	S	25,8	4,74	8,08	14,1	4,48	920÷1040
24V / 180A	-	145	N	-	-	9,09	15,8	5,04	1080÷1170
36V / 60A	520	150	S	14,5	2,67	4,55	7,91	2,52	360÷390
36V / 80A	522	152	S	19,3	3,56	6,06	10,5	3,36	480÷520
36V / 100A	524	154	S	24,2	4,45	7,58	13,2	4,20	600÷650
36V / 120A	526	156	S	29,0	5,34	9,09	15,8	5,04	700÷780
36V / 140A	528	158	S	33,8	6,23	10,6	18,4	5,88	800÷900
36V / 160A	530	160	N	38,7	7,12	12,1	21,1	6,72	920÷1040
36V / 180A	-	162	N	-	-	13,6	23,7	7,56	1080÷1170
48V / 40A	538	-	S	12,9	2,37	-	-	-	240÷260
48V / 60A	540	110	S	19,3	3,56	6,06	10,54	3,36	360÷390
48V / 80A	542	112	S	25,8	4,74	8,08	14,1	4,48	480÷520
48V / 100A	544	114	S	32,3	5,93	10,1	17,6	5,60	600÷650
48V / 120A	546	116	S	38,7	7,12	12,1	21,1	6,72	700÷780
48V / 140A	548	118	S	45,1	8,30	14,1	24,6	7,84	800÷900
48V / 160A	549	120	N	52,0	9,49	16,2	28,1	8,96	920÷1040
72V / 60A	560	124	S	29,0	5,34	9,09	15,8	5,04	360÷390
72V / 80A	562	126	S	38,7	7,12	12,1	21,1	6,72	480÷520
72V / 100A	564	128	S	48,3	8,89	15,2	26,4	8,40	600÷650
72V / 120A	566	130	N	58,0	10,67	18,2	31,6	10,8	700÷780
72V / 140A	-	132	N	-	-	21,2	36,9	11,7	800÷900
80V / 60A	580	136	S	32,3	5,93	13,4	23,4	5,60	360÷390
80V / 80A	582	138	S	42,9	7,91	16,8	29,3	7,47	480÷520
80V / 100A	584	140	S	53,7	9,88	20,2	35,1	9,33	600÷650
80V / 120A	586	142	N	64,4	11,86	23,6	41,0	11,2	700÷780
80V / 140A	-	144	N	-	-	26,9	48,8	13,1	800÷900

Regulations:

Conformity to the EMC-directive 2004/108/CEE.
Conformity to the Low Voltage directive 2006/95/CEE.

Cabinet:

Protection class: IP 20.
Varnished with epoxy paint after washing and passivation treatment.
Standard colours: RAL 7016 (Grey) RAL 2000 (Orange).
Dimensions mm : "S" = 500 (L) x 400 (P) x 800 (H)
"N" = 500 (L) x 400 (P) x 1000 (H)