BATTERY CHARGER

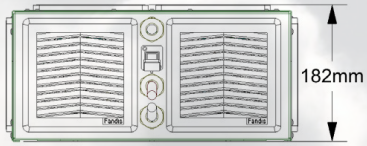
PowerSwitch HIGH FREQUENCY IPSSPSW

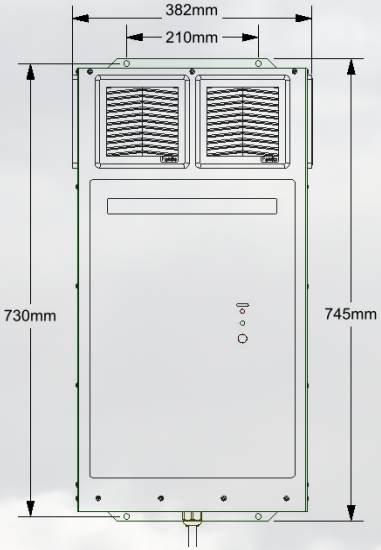
High frequency battery charger, rainproof for correct outdoor installation

MORI RADDRIZZATORI
power to work

01/2020

- A single aluminum cabinet IP55 for all models against rust.
- Cooling fans in IP55, with protection grids in ABS and filters.*
- Big LED lights to identify the state of the charge even at a great distance and in the presence of light/sun reflections.
- Stainless steel cable clamp to resist over time.





END OF CHARGE

ANOMALY

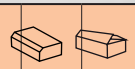
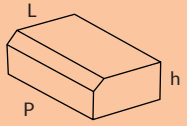
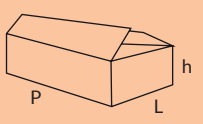
IN CHARGE

* periodic cleaning of the filters is required

All high frequency chargers, PSW series can be programmed.
The settable parameters are the following:
- battery type (acid lead or sealed - GEL, AGM)
- battery capacity
- charging time (13hours, 11hours o 8hours)
- gasification voltage or maximum charge voltage (from 2,35 V/el to 2,45 V/el)
- equalization charge cycles

With very few models it is possible to satisfy all customer needs, drastically reducing warehouse costs.

SINGLE-PHASE MAINS VOLTAGE	**min. 185V - max. 265V**
THREE-PHASE MAINS VOLTAGE	**min. 340V - max. 460V**
FREQUENCY	**47 / 62 Hz**
SINGLE-PHASE EFFICIENCY	**>85%**
THREE-PHASE EFFICIENCY	**>90%**
ROOM WORKING TEMPERATURE	**-10°C / + 50°C**
MIN. BATTERY VOLTAGE TO LET THE CHARGE CYCLE STARTS	**1,00 Volt / cell**
CHARGE PROFILE FOR FLOODED BATTERIES	**IWoP**
CHARGE PROFILE FOR SEALED BATTERIES	**IUoP**
MAINS CABLE	**2,5 mt**
TWIN OUTPUT CABLES	**2,5 mt**
PALLET SIZE	**800 x 1200**

V	A	Code	Kw	A ~ 240V	 Kg	Kg	 P	L	h	 P	L	h	Pallet quantity	Flooded						Sealed	
														13h		11h		8h		12h	
														Ah/C 5		Ah/C 5		Ah/C 5		Ah/C 5	
														MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
SINGLE PHASE																					
24	65	PSW2465PFC.IP55	3,1	13,0A	25	32	730	382	182	800	400	280	8	180	780	180	660	180	420	180	660
THREE PHASE																					
48	120	PSW48120T.IP55	8,1	15,6A	29	32	730	382	182	800	400	280	8	360	1400	360	1200	360	780	360	1200
	160	PSW48160T.IP55	10,6	21,0A	29	32	730	382	182	800	400	280	8	600	2000	600	1600	600	960	600	1600
80	80	PSW8080T.IP55	8,5	16,0A	29	32	730	382	182	800	400	280	8	300	960	300	840	300	480	300	840
	120	PSW80120T.IP55	12,8	24,0A	29	32	730	382	182	800	400	280	8	360	1400	360	1200	360	780	360	1200

1 General information connected to the collected data (date, customer name, battery-type, capacity and so on).

2 Information about the charger setting

3 Chargers serial numbers, where information were downloaded from.

4 Counters referred to the whole battery life:

Counter 1: total number of charge cycles

Counter 2: indicates how many times the batteries have been discharged to the lowest possible level (it is useful only if the charger is on-board)

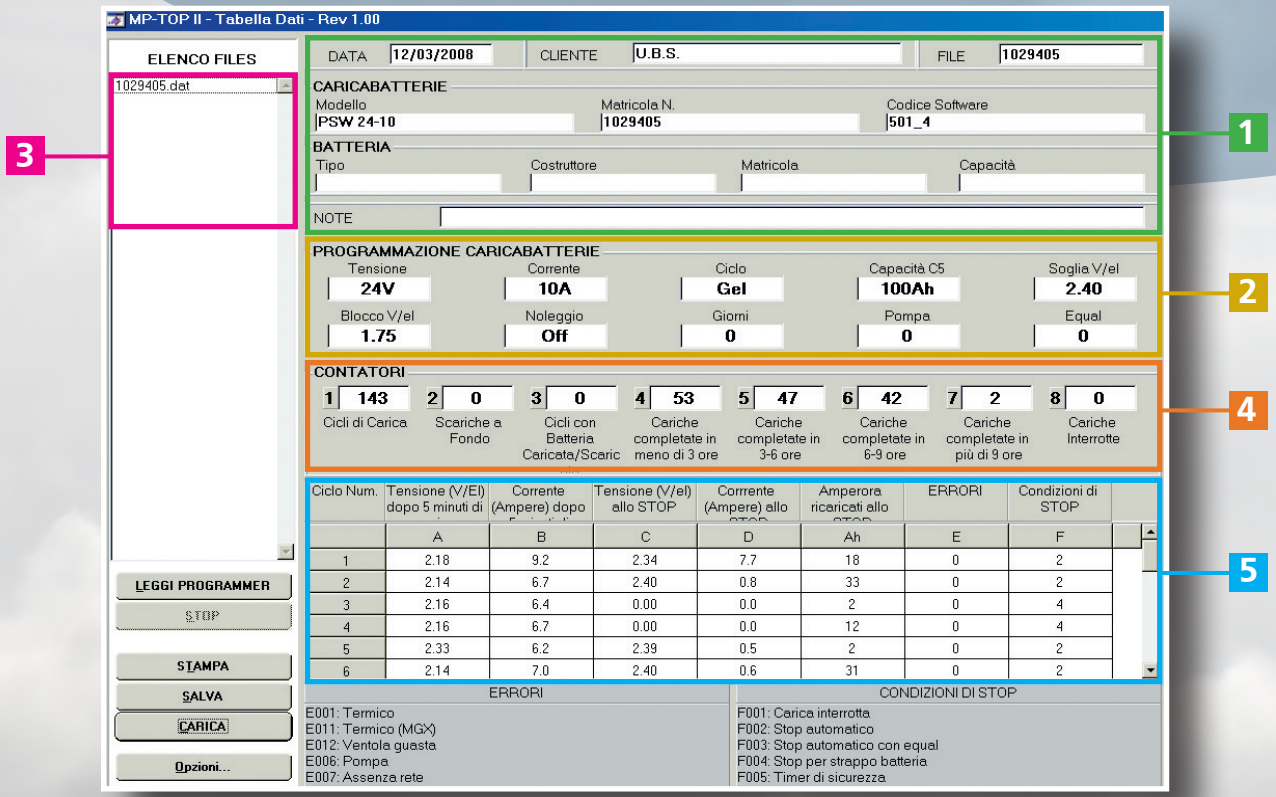
Counter 3: how many times the battery is simultaneously charged and discharged. Important information because such kind of use damages the battery

Counter 4, 5, 6 e 7: all the charge cycles automatically completed split into 4 groups in relation to their duration.

Counter 8: how many times the user interrupted the charge cycle before the automatic stop

5 Detailed information over the last month of charge cycles:

- Battery voltage and output current of the charger at the beginning of the charge
- Battery voltage and output current of the charger at the end of the charge
- Ah supplied to the battery during the charging process
- Anomalies happened during the charging process
- Stop conditions



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