

BATTERY CHARGER

POWER SWITCH HIGH FREQUENCY IP55P5W

High frequency
battery charger,
rainproof for correct
outdoor installation



⚡ 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.

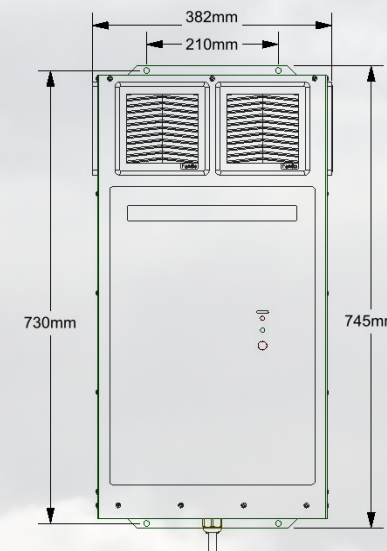
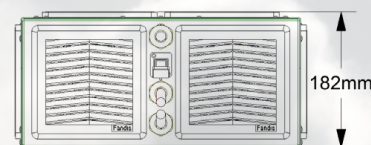
⚡ Stainless steel cable clamp to resist over time.



END OF CHARGE

ANOMALY

IN CHARGE



All high frequency chargers, PSW series can be programmed.



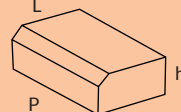
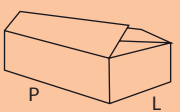
The settable parameters are the following:

- 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.

* periodic cleaning of the filters is required

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							Pallet quantity	Flooded						Sealed	
							P	L	h	P	L	h		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

MP-TOP II - Tabella Dati - Rev 1.00

ELENCO FILES
1029405.dat

DATA 12/03/2008 CLIENTE U.B.S. FILE 1029405

CARICABATTERIE
Modello PSW 24-10 Metricola N. 1029405 Codice Software 501_4

BATTERIA
Tipo _____ Costruttore _____ Metricola _____ Capacità _____

NOTE

PROGRAMMAZIONE CARICABATTERIE

Tensione	Corrente	Ciclo	Capacità C5	Soglia V/el
24V	10A	Gel	100Ah	2.40
Blocco V/el	Noleggio	Giorni	Pompa	Equal
1.75	Off	0	0	0

CONTATORI

1	143	2	0	3	0	4	53	5	47	6	42	7	2	8	0
Cicli di Carica	Scariche a Fondo	Cicli con Batteria Caricata/Scaricata	Cariche completate in meno di 3 ore	Cariche completate in 3-6 ore	Cariche completate in 6-9 ore	Cariche completate in più di 9 ore	Cariche Interrotte								

Ciclo Num.	Tensione (V/El) dopo 5 minuti di	Corrente (Ampere) dopo	Tensione (V/el) allo STOP	Corrente (Ampere) allo STOP	Amperora ricercati allo STOP	ERRORI	Condizioni di STOP
	A	B	C	D	Ah	E	F
1	2.18	9.2	2.34	7.7	18	0	2
2	2.14	6.7	2.40	0.8	33	0	2
3	2.16	6.4	0.00	0.0	2	0	4
4	2.16	6.7	0.00	0.0	12	0	4
5	2.33	6.2	2.39	0.5	2	0	2
6	2.14	7.0	2.40	0.6	31	0	2

LEGGI PROGRAMMER
STOP
STAMPA
SALVA
CARICA
Opzioni...

ERRORI
E001: Termico
E011: Termico (MGX)
E012: Ventola guasta
E006: Pompa
E007: Assenza rete

CONDIZIONI DI STOP
F001: Carica interrotta
F002: Stop automatico
F003: Stop automatico con equal
F004: Stop per strappo batteria
F005: Timer di sicurezza