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# Dynamo

## Efficiency in logistics

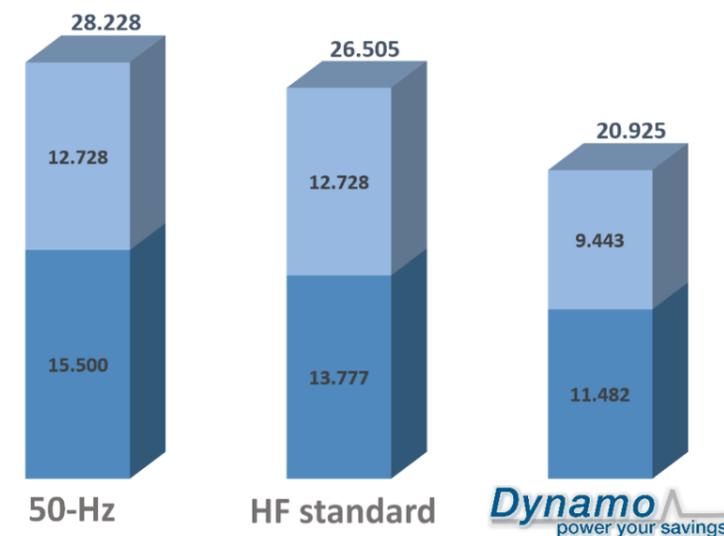
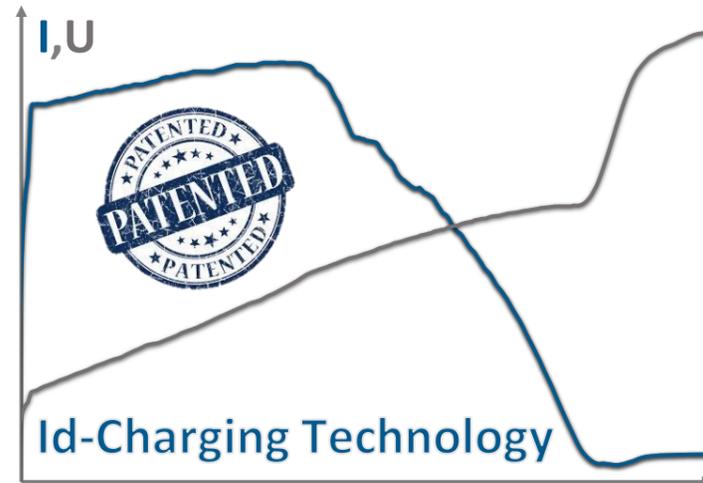


## Unparalleled savings

The innovative **ID-charging** process uses **currents and voltages adapted in real-time** to the response of the specific battery, supplying just the energy that can actually be stored. The result: **maximum efficiency** and **elimination of harmful gassing** for the battery.

### PATENTED TECHNOLOGY

- ✓ Patent EU EP2709202
- ✓ Patent USA US2014081585
- ✓ Patent ITA IT0001414353
- ✓ Patent ITA IT0001416415



**+25%**  
battery life

**-30%**  
energy costs



## Are you ready for efficiency?



## Much more than HF chargers



- EFFICIENT**  
✓ Patented Id-Charging technology

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- VERSATILE**  
✓ Suitable for Lead Acid, AGM, Gel and Lithium batteries  
✓ Three-phase. Input Voltage: 400 V; Frequency: 50-60 Hz

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- COMPACT**  
✓ Dimensions: 461x405x137

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- INTERACTIVE**  
✓ Setting and visualization of charging parameters by means of LCD display  
✓ USB port for download of data related to the last 1000 charging cycles through the Software Id Log  
✓ Optional Wi-Fi for connection to Id-Portal

**Dynamo** charging systems are intelligent battery chargers based on a high performance modular HF architecture with **dual core** microprocessor control section. Thanks to the innovative **ID-Charging** technology, they guarantee energy efficiency and unparalleled battery care.

Each Dynamo model has an **LCD display** for setting and visualizing charge parameters and a USB port for downloading data related to the last 1000 charge cycles thanks to the **Id Log software**.

Dynamo is also available in the **Wi-Fi** version which integrates the **4.0-Gateway**, a device capable of synthesizing and communicating outside a series of fundamental data for **fleet analysis** and **predictive maintenance**. The 4.0-Gateway device can also be programmed on request to implement custom protocols able to send **command signals** to the charging system.



## Contact us

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Tensione Voltage (V)	Corrente Current (A)	Capacità batteria (Ah) vs. tempo di carica Battery capacity (Ah) vs. charging time							Codice-Code
		6h	7h	8h	9h	10h	11h	12h	
24	40	200	220	250	290	320	360	400	DY2440
	60	300	330	380	430	480	550	600	DY2460
	80	400	440	500	570	640	730	800	DY2480
	100	500	560	630	710	800	910	1000	DY24100
	120	600	670	750	860	960	1090	1200	DY24120
36/48	150	750	830	940	1070	1200	1360	1500	DY24150
	40	200	220	250	290	320	360	400	DY36/48-40
	60	300	330	380	430	480	550	600	DY36/48-60
	80	400	440	500	570	640	730	800	DY36/48-80
	100	500	560	630	710	800	910	1000	DY36/48-100
72/80	120	600	670	750	860	960	1090	1200	DY36/48-120
	150	750	830	940	1070	1200	1360	1500	DY36/48-150
	40	200	220	250	290	320	360	400	DY72/80-40
	60	300	330	380	430	480	550	600	DY72/80-60
96	80	400	440	500	570	640	730	800	DY72/80-80
	100	500	560	630	710	800	910	1000	DY72/80-100
	120	600	670	750	860	960	1090	1200	DY72/80-120
96	80	400	440	500	570	640	730	800	DY9680
	100	500	560	630	710	800	910	1000	DY96100

**A complete range for every need**

Charger

182209

Stato di carica iniziale medio

Tempo di carica medio

Cariche regolari effettuate

tutti

32.3 %

07:54

100 %

Panoramica Cariche

Stato di Carica iniziale

Tempo di Carica

Advanced battery monitoring

# Dynamo

## CalBatt

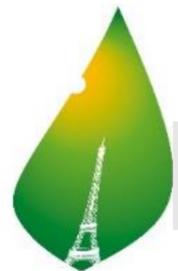
CalBatt develops solutions for smart charging of electric vehicles, based on a **proprietary technology** born in the laboratories of the University of Calabria recognized internationally. Since its beginning, the company has always been actively involved in research and development, receiving numerous awards for its pioneering innovation.



**Awarded by Enel for its innovative technology validated on the field**



**Among the top 10 most innovative European companies at the Munich Cleantech Conference**



COP21 · CMP11  
**PARIS 2015**  
UN CLIMATE CHANGE CONFERENCE

**Recognized among the Italian excellence in green technology at the COP 21 Paris Conference**



**Awarded by the European Commission with the "Seal of Excellence" for companies with the most innovative technologies in the world**



**Making batteries smarter**



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