

Accessories

Battery LiFePO4

Based on lithium iron phosphate cells (LiFePO4), a technology that is safe and has the best performance/cost ratio, with integrated BMS to maintain the cells always equalized and efficient. Box is stainless steel IP65.

Long lifespan

- More than 4,000 cycles

The lifespan is 3 times longer than traditional batteries, making the cost per cycle lower. Maintenance-free, planned service is avoided, having no need of topping up or periodical checks. The conditions of the battery can be easily verified thanks to integrated diagnosis systems. No gas emissions during charge and discharge, so no special charging rooms are required. They may be charged at any place with maximum safety.

Suited for every application

Having no gas emissions, these batteries are suited also for marine and many industrial applications.

General Specifications

Capacity Ah	Contin. discharge A	Pulse discharger A	Continuous charge A	Pulse charge A	Operating Temperature °C	Box Material	Protection Class
100	100	200	50	100	0/60 (-20/60 optional)	SS316	IP65
200	200	400	100	200			
300	300	600	150	300			
400	400	800	200	400			
600	600	1200	300	600			
800	800	1600	400	800			

48V

Energy kWh	Architecture	Dimension Single Box	Number Of Box	Total Weight
5.1	Single Element	300x788 h300	1	75 kg
10.3	Single Element	388x700 h330	1	125 kg
15.4	Single Element	610x950 h300	1	190 kg
20.5	Single Element	780x700 h330	1	246 kg
30.8	Parallel Element	388x700 h330	3	370 kg
41	Parallel Element	388x700 h330	4	430 kg

96V (with DNV-GL & NMA type approval)

Energy kWh	Architecture	Dimension Single Box	Number Of Box	Total Weight
9.6	Single Element	470x850 h275	1	130 kg
19.2	Single Element	585x900 h355	1	220 kg
28.8	Parallel Element	470x850 h275	3	390 kg
38.4	Parallel Element	585x900 h355	2	440 kg
57.6	Parallel Element	585x900 h355	3	660 kg
76.8	Parallel Element	585x900 h355	4	880 kg

144V

Energy kWh	Architecture	Dimension Single Box	Number Of Box	Total Weight
15.4	Single Element	650x900 h300	1	190 kg
30.8	Series Element	388x700 h330	3	375 kg
46.1	Series Element	610x950 h300	3	570 kg
61.4	Series Element	780x700 h330	3	738 kg
92.2	Series+Parallel Element	610x950 h300	6	1140 kg
122.9	Series+Parallel Element	780x700 h330	6	1476 kg



- In case of Transfluid batteries choice, it is mandatory to install the control levers TFC and display TF1
- For 288 V and 384 V battery pack, contact Transfluid (with DNV-GL & NMA type approval)