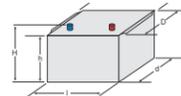


Exide Technologies Network Power - The Industry Leader.



the dryfit product range

Type	Type No.	Voltage V	Capacity in Ah		Dimensions in mm			Weight kg	Cold start current		Equiv. starter battery C ₂₀ (Ah) Capacity
			C ₂₀	C ₁₀₀	L (l)	B (b)	H (h)		Amps (DIN)	Amps (SAE)	
SL25*	1310024109	12	24	27	176 (172)	167 (163)	126 (126)	9.7	110	175	32
SL40	1310040109	12	38	42	210 (195)	175 (175)	175 (175)	15.1	175	300	50
SL55	1310055109	12	55	63	293 (278)	175 (175)	175 (175)	19.5			70
SL57	1310057109	12	57	65	306 (278)	175 (175)	190 (190)	21.1	270	450	75
SL75	1310075109	12	75	85	381 (353)	175 (175)	190 (190)	26.8	340	600	100
SL80	1310080109	12	80	90	330 (330)	171 (171)	235.5 (213)	30.0	270	450	105
SL110	1310110109	12	112	125	286 (254)	267 (267)	230 (208)	40.0	450	760	145
SL115	1310115109	12	115	130	513 (475)	189 (178)	223 (195)	40.7	450	760	150
SL120	1310120109	12	120	130	345 (337)	174 (171)	283 (262)	40.5			155
SL135	1310135109	12	135	150	513 (475)	223 (210)	225 (195)	47.8	540	920	175
SL180-6	1310180109	6	180	205	244 (244)	190 (190)	275 (275)	30.0			235
SL200	1310200109	12	200	225	518 (475)	291 (265)	242 (216)	70.0	630	1100	260

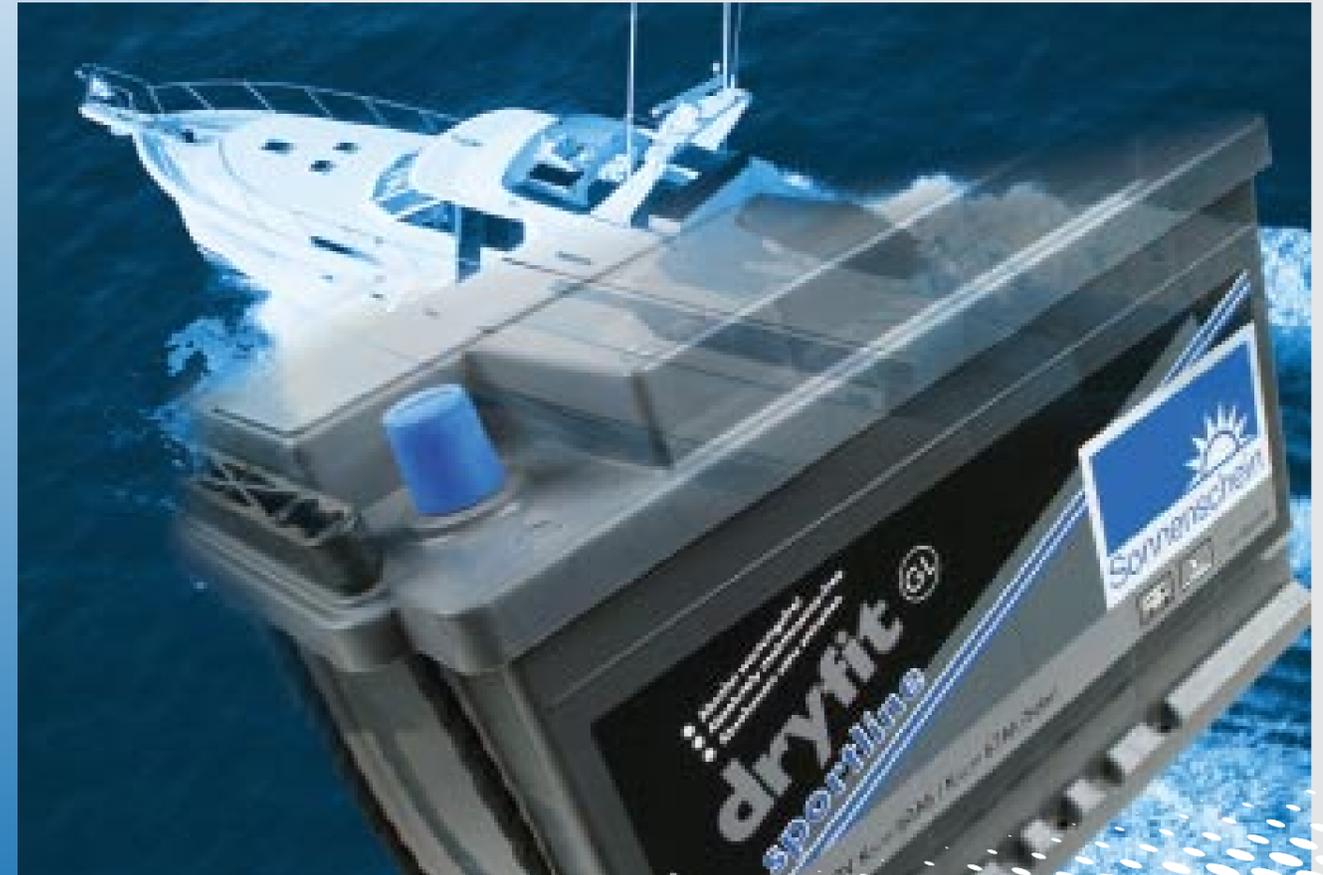


Your dryfit sportline distributor

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The Company reserves the right to change the specification. Colours may differ from those shown.



dryfit sportline

The maintenance-free gel battery for
marine and leisure applications



Three battery functions combined into one battery

- Start-up
- Power Supply
- Solar energy storage

The dryfit sportline series offers three battery functions combined into one battery: powerful engine start-up, a reliable mains power supply to all on-board outlets, and energy-saving, environmentally friendly storage of solar energy.

dryfit technology consists of closed system batteries in which the electrolyte is enclosed in a gel. This provides a variety of benefits and advantages.

dryfit sportline batteries are absolutely maintenance-free throughout their entire service life, because who wants to think about battery maintenance during their leisure time? In addition, because of the extremely low self-discharge of these batteries, a powerful engine start-up is no problem even when the batteries haven't been used for months. The dryfit sportline is also extremely low-gassing and no acid vapours are released. They can therefore be installed without hesitation in the interiors of boats where people eat and sleep.

And last, but not least, dryfit sportline batteries provide a significant safety advantage. They can operate at any angle and even under water! This means, for example, that the bilge pump, radio and navigation lights of a boat remain in operation in an emergency.



The know-how comes from Sonnenschein

dryfit technology was developed by Sonnenschein and, to this day, no other comparable product on the world market has been able to match the performance of original dryfit batteries.

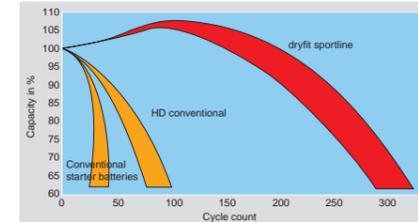
As a brand of the EXIDE Group of Companies, the worldwide number one in the market for lead batteries, Sonnenschein makes an important contribution to the dynamic growth of this group of companies. The leading-edge technology and experience of one of Germany's most long-standing companies perfectly complements the product strategy of the EXIDE Group, which was founded almost 100 years ago by the ingenious inventor Thomas Edison.

For marine and leisure

dryfit sportline batteries are a part of Sonnenschein's extensive full-range programme. This battery series is specially conceived for a maintenance-free, on-board mains power supply in the leisure activities area.

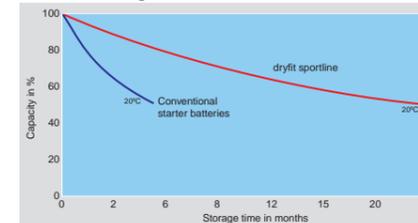
The performance advantage

Cyclic Service Life



Three battery types of the same size in a cycle comparison test (1 cycle = discharge + charge). During the test the full capacity was drawn off. The batteries were recharged using a charger with an IU characteristic (14.4 volts for 16 hours). The test ended at a remaining capacity of 60%. The dryfit sportline battery has a cycle ratio around *three* times higher than a heavy duty (HD) battery and around *six* times higher than a standard car battery.

Self-discharge



Unlike conventional liquid acid batteries, dryfit sportline batteries do not have to be recharged every three months. Due to their extremely low self-discharge, they will still have 80% of their nominal capacity after six months idle time and over 50% after two years - without recharging.

For more energy and a longer service life

The right charging technique for all dryfit sportline batteries

- **Generators** with regulators in the following ranges: 14.1 to 14.4V with 12V systems, 28.2 to 28.8V with 24V systems
- **Charger Units** Regulated chargers with IU, WU, IWU, WoU & IUoU characteristics. Units with IU or IU₂ and the following basic data are ideal:
 - I phase with current strength between 10 and 30A/100Ah
 - U phase or U₂ phase (main charging phase) with a constant current between 14.1 and 14.4V
 - U₂ hphase (charging conservation) with a constant current of 13.8V
 - Charging times: phase IU or IU₂, minimum 12 hours, change over point for U₂ phase after 12 hours or 0.5A/100Ah
- **Wind or Wave Generators** with appropriate voltage regulators
- **Solar Panels** with appropriate voltage regulators

Properties	Advantages	Benefits
Absolutely maintenance-free	<ul style="list-style-type: none"> ■ No acid-level checks ■ No water needs to be added ■ Easily accessible installation not necessary 	<ul style="list-style-type: none"> ■ Saving of maintenance costs ■ No maintenance errors ■ Space savings / optimum utilization of available space
Electrolyte-proof	<ul style="list-style-type: none"> ■ Acid firmly enclosed in a gel ■ No acid leakage, even when the casing is damaged ■ No acid protection measures necessary ■ No corrosion damage 	<ul style="list-style-type: none"> ■ Cost savings through avoidance of acid damage to persons and objects ■ Protective battery boxes not required ■ Operational even when the casing is damaged
Very low self-discharge	<ul style="list-style-type: none"> ■ Operational and ready to start without recharging even when not in use for long periods (see chart 'self-discharge') 	<ul style="list-style-type: none"> ■ Time and costs savings because interim charging is not necessary and there are no maintenance costs ■ Ideal for seasonal use - batteries can stay on board over winter ■ Ideal as spare batteries
No special positioning	<ul style="list-style-type: none"> ■ Absolutely tight even when upside-down ■ Permitted installation angles up to 180° 	<ul style="list-style-type: none"> ■ No acid damage even in the event of an accident ■ Operational in extreme conditions
Total discharge-resistant	<ul style="list-style-type: none"> ■ dryfit system batteries withstand total discharge without damage ■ Totally discharged batteries can still be easily recharged within 4 weeks 	<ul style="list-style-type: none"> ■ Cost savings because operational failure is seldom
Durable with a high cycle ratio	<ul style="list-style-type: none"> ■ Much higher cycle ratio (charging and discharging processes; see chart 'Cyclic Service Life') 	<ul style="list-style-type: none"> ■ Economical due to a considerably longer service life ■ Ideal as solar batteries
Extremely low-gassing, closed-system batteries	<ul style="list-style-type: none"> ■ Each cell is closed with a safety valve ■ The gas in each cell is reconverted to water ■ Excess pressure can escape if battery is overcharged ■ Hermetically sealed and break-through-proof from the outside to the inside ■ Acid vapours cannot escape 	<ul style="list-style-type: none"> ■ No unpleasant smells, no respiratory complaints ■ Saving of expensive ventilation measures ■ Fully operational in an emergency, even under water ■ No risk of explosion ■ No corrosion damage in the area around the battery
Jolt, shock and impact proof	<ul style="list-style-type: none"> ■ Plates are embedded in gel ■ Robust casing complies with DIN and military requirements 	<ul style="list-style-type: none"> ■ Low costs due to longer service life
Clean and environmentally friendly	<ul style="list-style-type: none"> ■ No acid pollution ■ No aggressive acid vapours ■ No special storage regulations ■ Not classed as a hazardous product during transport 	<ul style="list-style-type: none"> ■ Saving of environmental protection measures ■ Not harmful to the environment ■ Easier transport and savings of transportation costs

How to find the right dryfit sportline battery

In the sport and leisure area, electricity doesn't simply flow endlessly from the socket. That's why the correct battery capacity is extremely important.

■ Maintain a record of all power consumers on-board. You will find their consumption data in watts on their nameplates or in the sockets of lamps.

■ Divide the individual wattage consumptions by the voltage of the battery to calculate the current required.

■ Multiply the individual current values by the daily number of hours during which each power consumer is switched on. This gives you the required capacity in Ah.

■ With the dryfit sportline range, you must now multiply the sum of all individual Ah values by a safety factor of 1.3 (conventional batteries by the higher value of 1.7) to calculate the correct capacity (C₂₀) of the battery you require.