

LONG JOURNEY BATTERY

EXIDE[®]
MARINE



DNV

**MARINE
CERTIFIED
BATTERIES**





Ensure safer & longer trips by choosing the right battery

On board, safety and comfort during navigation depend on the electrical supply to boat equipment. Usually provided by batteries, the supply is capable of powering key operations such as engine start, radio/GPS supply and navigation lighting.

As efficient energy storage is crucial to keep the boat moving, EXIDE presents the new MARINE battery offer, able to cover all the energy needs of both professional installers and private users.

By choosing the right MARINE battery, the electrical supply will last longer, ensuring enhanced trip duration and comfort.

New MARINE premium batteries are also a preferred choice for boat builders. Thanks to DNV approval, it is simpler to get authority in accordance with European naval regulations for newly built boats.

EXIDE[®]
MARINE

How to select the best battery solution in three steps

1

Identify the boat's energy needs

2

Identify the boat's electrical configuration to find the right battery combination

3

Select the best battery technology according to its conditions of use

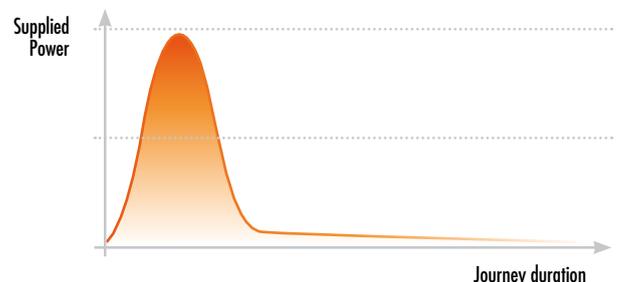
1

Identify the boat's energy needs

Three basic energy needs are involved in marine battery uses

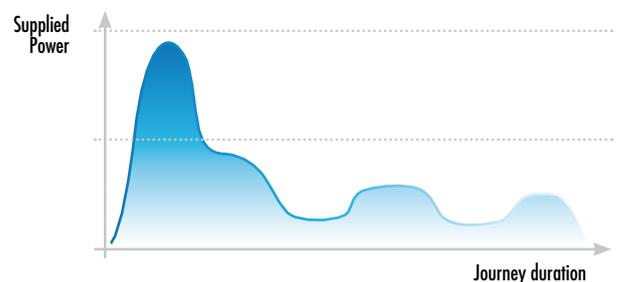
ENGINE START NEED

Power for starting a combustion engine requires high peaks of power during a short time, leaving batteries unused for the rest of the journey. The electrical unit used to measure engine start need is MCA*



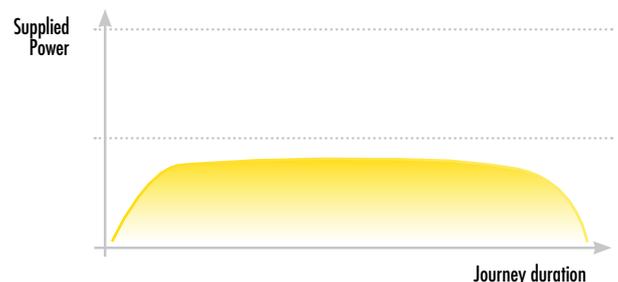
DUAL SUPPLY NEED

Power for starting together with the supply to other electrical equipment requires high peaks of power but also a variable power drain, causing battery discharge during the journey. The electrical unit used to measure dual supply need is Wh*



EQUIPMENT SUPPLY NEED

An uninterrupted supply to emergency or comfort equipment uses power at high levels consistently, causing deep battery discharge during the journey. The electrical unit used to measure equipment supply need is Wh*



*MCA = BCI Marine Cranking power in Amps at 0°C

*Wh = Available Watt x hour at 20h rate from a battery, without exceeding its recommended depth of discharge

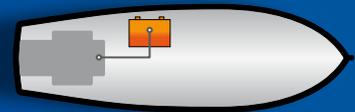
2

Identify the boat's electrical configuration to find the right battery combination

The boat's electrical configuration determines the battery combination

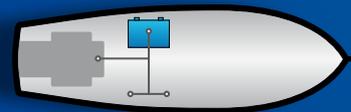
A. Engine only

Boats for which batteries are applied to engine start only, with electrical equipment not supplied when the engine is switched off. This configuration corresponds to Engine start need.



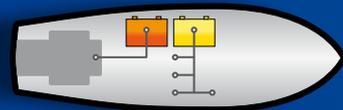
B. Engine & Equipment

Boats for which one unique bank of batteries has to supply power for engine start but also for electrical equipment. This configuration corresponds to Dual supply need.



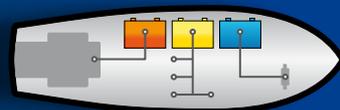
C. Engine + Equipment

Boats for which 2 separated banks of batteries are dedicated to supply power, one for engine start and the other for electrical equipment. This configuration corresponds to two needs: Engine start plus Equipment supply. In consequence, 2 different battery solutions are required.



D. Engine + Equipment + Other

Boats for which, in addition to 2 main battery banks (engine + equipment), other batteries are installed to supply power directly to electrical winches, thrusters or trolling motors. This configuration corresponds to three needs: Engine start plus Equipment supply plus Dual supply. In consequence, 3 different battery solutions are required.



Each energy need has its optimal battery option

ENGINE START NEED



START battery range is designed to supply high power for engine start when installed alone for basically equipped boats (case A) but can also be used when included in engine dedicated battery banks for the most sophisticated yachts (cases C&D). This engine start need keeps batteries normally charged during use as the alternator quickly returns consumed power. The START design provides good performance and service life duration.

START battery range, with MCA* performance from 500A to 1400A, is the choice to cover all engine start needs from small outboards to big stern drives.



START



DUAL SUPPLY NEED



DUAL battery range is designed to supply power for boats having one battery bank for all consumers (case B) but is also suitable for additional batteries directly applied to electrical winches, thrusters and trolling motors (case D). This dual supply need holds batteries partially discharged during use so DUAL reinforced design, together with a good recharging procedure, is key to providing the best result and service life duration.

DUAL battery range, with Wh* performance from 350Wh to 2100Wh, is the choice to cover all dual supply needs for the most popular recreational boats.



DUAL



EQUIPMENT SUPPLY NEED



EQUIPMENT battery range is designed to supply power for boats with dedicated battery banks for equipment with applications such as navigation, emergency, safety and comfort (cases C&D). This equipment supply need keeps batteries partially or even deeply discharged during use so the EQUIPMENT special design, together with a good recharging procedure, is key to providing the most reliable result and service life duration.

EQUIPMENT range, with Wh* performance from 290Wh to 2400Wh, is the choice to cover all equipment supply needs, from small electronics to emergency power.



EQUIPMENT



*MCA = BCI Marine Cranking power in Amps at 0°C

*Wh = Available Watt x hour at 20h rate from a battery, without exceeding its recommended depth of discharge

Select the best battery technology according to its conditions of use

Battery conditions of use determine the right battery technology

ENGINE START NEED



2 technologies with specific features & benefits are available for engine start need.

START



Low Maintenance



Low Gas Emission



Slight Inclination

- Low maintenance

- Located in special container

- Upright mount

Technology:
Lead/Acid flooded in Ca/Ca alloy up to 850A or Sb/Ca above with plug venting

START AGM



Maintenance Free



Internal Gas Recombination



High Inclination



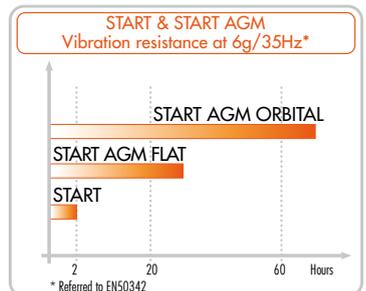
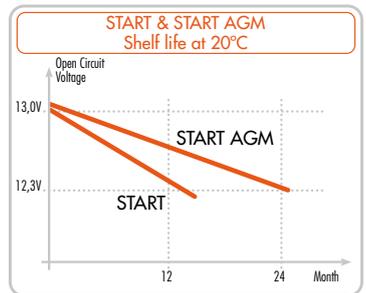
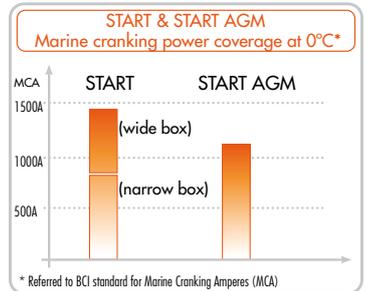
Faster Recharge

- Absolutely maintenance free
- Suitable for long resting periods
- No location constraints (safe for cabin mount)
- Safe and clean (spark & spill-proof)

- Suitable for side mount
- High vibration & tilt resistant

- Up to 50% time for recharge saved

Technology:
AGM Flat plate or Orbital plate in Ca/Ca alloy with VRLA venting





DUAL SUPPLY NEED

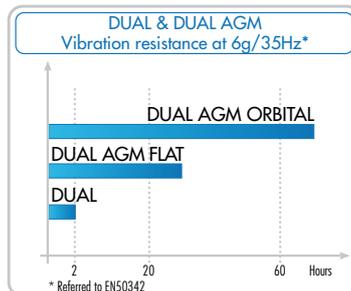
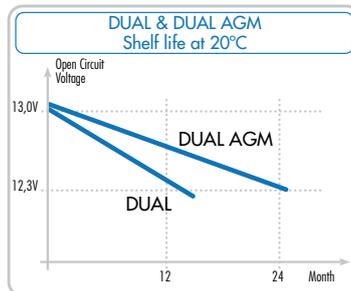
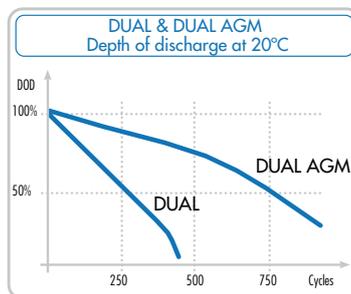


2 technologies with specific features & benefits are available for dual supply need.

DUAL



DUAL AGM



Low Maintenance

- Low maintenance



Low Gas Emission

- Located in special container
- Spark arrestor & central degassing for safe gas conduction



Med Inclination

- Upright mount
- Medium vibration & tilt resistant



Top Charge Indicator

- Top indicator for electrolyte & charge inspection

Technology:
Lead/Acid flooded in Sb/Ca alloy with central degassing



Maintenance Free

- Absolutely maintenance free
- Suitable for long resting periods



Internal Gas Recombination

- No location constraints (safe for cabin mount)
- Safe and clean (spark & spill-proof)



High Inclination

- Suitable for side mount
- High vibration & tilt resistant



Faster Recharge

- Up to 50% time for recharge saved

Technology:
AGM Flat plate or Orbital plate in Ca/Ca alloy with VRLA venting



EQUIPMENT SUPPLY NEED



2 technologies with specific features & benefits are available for equipment supply need.

EQUIPMENT



Low Maintenance



Low Gas Emission



Med Inclination

- Low maintenance
- Located in special container
- Upright mount
- Medium vibration & tilt resistant

EQUIPMENT GEL



Maintenance Free



Internal Gas Recombination

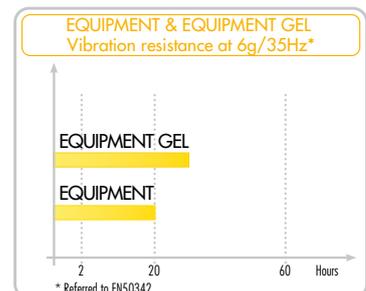
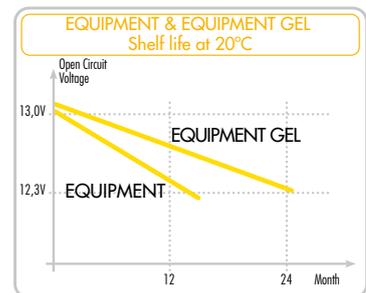
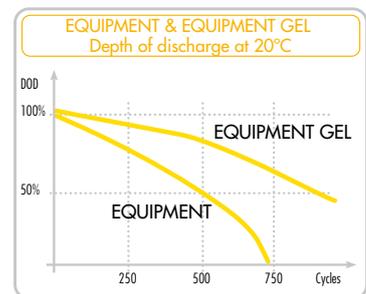


High Inclination



Compact Size

- Absolutely maintenance free
- Suitable for long resting periods
- No location constraints (safe for cabin mount)
- Safe and clean (spark & spill-proof)
- Suitable for side mount
- High vibration & tilt resistant
- Up to 30% space for batteries saved



Technology:
Lead/Acid flooded in Sb alloy and glass mat separators with plug venting

Technology:
GEL (jellified electrolyte) flat plate in Ca/Ca alloy with VRLA venting

The logo for EXIDE MARINE is displayed in a bold, white, italicized sans-serif font. The word 'EXIDE' is on the top line, and 'MARINE' is on the bottom line. A registered trademark symbol (®) is located at the top right of the 'E' in 'EXIDE'. A stylized white graphic element, resembling a compass rose or a star, is positioned to the left of the 'E' in 'EXIDE'. The background of the entire page is a solid blue color, with a horizontal band of a blurred, greenish-blue image (possibly water or a landscape) running across the middle. The bottom right corner of the page features a dark blue, textured pattern.

EXIDE[®]
MARINE

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