ELECTRICAL

All batteries on board "DASH" are maintenance-free to ensure carefree boating and are housed in special battery boxes in accordance with ABYC and the European Union's CE industry standards.

Riviera has two starting battery banks - one for each engine, a house battery bank and an auxiliary bank.

Individual alternators for each battery bank ensure charging systems are optimized while underway and an emergency parallel function provides increased reliability, just in case you are ever faced with a flat start battery bank. All battery banks are isolated at the main battery panel in the utility room.

The house power is 24-volt, which allows for simpler charging, lower current draw and smaller cables (further reduced weight) than equivalent 12-volt systems.

Mastervolt AC-DC inverters provide power to the icemaker, entertainment systems and all outlets onboard, ensuring watching television while relaxing quietly at anchor is whisper-quiet.

The Cummins Onan generator features a water separating muffler, sound shield, remote stop-start function, state- of-the-art diagnostics and hour meter. The generator's optimized mounting system greatly reduces vibration.

LED lights provide trouble-free boating while reducing electrical current bulb lamp. No bulbs mean no maintenance and long service life.

Additionally, Residual Current Device/Ground Fault Circuit Interrupter (RCD/GFCI) provides protection over the entire yacht and also complies with ABYC and CE standards for safer boating.

- AC power outlets to all staterooms, heads, galley, salon, cockpit and engine room (GFCI) protection
- Alternators-port alternator charges start bank, secondary port alternator charges auxiliary bank. Starboard alternator charges starboard start bank and secondary starboard alternator charges house bank
- Backlit R logos x3 fitted to deck sides and transom
- Batteries (maintenance free)-independent port and starboard start (total x 4), auxiliary bank (x2), house 24V x 5 (500AHr Total/350Ahr Usable Li-ion bank)
- Battery banks individually isolated
- Battery chargers-automatic, 100Amp/24DC & 30Amp/24vDC
- Battery paralleling system for emergency engine starting
- Bonding system, to all metallic hull fittings under the water line with zinc anode including galvanic isolator
- Czone-configuration for iPad connectivity. Includes programming and Wi-Fi interface (does not include iPad)
- Digital monitoring system including AC and DC power metering, fluid tank level monitoring and DC circuit status via 10 inch color LCD touch screen at aft salon and 5 inch touch control screen at helm and master cabin
- Engine monitoring including instrumentation, alarms and hour meters on digital displays Navigation lights, LED (international standard)
- Forward deck-AM/FM stereo player with Bluetooth and two speakers
- Forward stateroom-24 inch LED TV and 12V AM/FM/CD/DVD player and two speakers
- Generator-Onan EQD 29 kw/60Hz with muffler, water separation system, fresh water-cooled including sound shield, remote stop/start electronic, hour meter
- Inverter, 4kw/60Hz integrated into power command system with generator for AC supply to audio visual systems, ice maker and all GPO's
- Salon, audio system-surround sound system, with 5 flush mount speakers and subwoofer plus separate Blu-ray player and Apple TV. Cockpit-of zone 2 of salon, system with two speakers
- Starlink Antenna
- Salon-LED TV (on hinge out mechanism)
- Shore power, 2 x Glendinning Cablemaster (110/220V/50amp) incl. Wireless remote Vessel AC system built to 110V/220V/60Hz
- Starboard stateroom-22 inch LED TV and 12V AM/FM/CD/DVD player and two speakers Master stateroom aft-LED TV integrated into home theater system 40
- Wiring color-coded, numbered and loomed, where possible