



Zero Engineering System. Add Remote Monitoring.

Two 4 inch glass panels under the hardtop read every Bluetooth device on the boat and switch the STAR range. No PC tool, no config file, no dealer visit.

Every device is powered up at Safiery and its Bluetooth pairing code entered before the kit ships. The builder mounts the panels, runs 12 V and ground, and every device appears. Page 2 adds Quasar ONE for remote monitoring, remote control and predictive health.



WHAT QUASAR GLASS READS AND SWITCHES

Victron, read over Bluetooth

SmartSolar MPPT, all sizes. SmartShunt, BMV-712

Smart Battery Sense. Smart BatteryProtect

Orion XS 12/12-50 and Orion-Tr Smart DC-DC chargers

Lithium Battery Smart, SuperPack NG, Lynx Smart BMS, Smart BMS 12-200

Phoenix Inverter Smart, Sun Inverter, Inverter RS, Multi RS, MPPT RS, SolarSense 750

MultiPlus, Quattro, EasySolar through the VE.Bus Smart dongle

BlueSolar MPPT, BMV-700 through the VE.Direct Bluetooth dongle

Blue Smart IP22 and IP65 chargers to be confirmed

Tanks, environment and Quasar sensors

STAR-Tank radar level, fresh, grey, black, diesel battery 3 to 5 years, glue on, no wiring

Ruuvi 4in1 temperature, humidity, pressure, motion. Ruuvi Air CO2, PM2.5, VOC cabin, fish box, engine room

Quasar Water Leak bilge, shower sump, under the galley

Quasar Door open, closed, tamper console door, hatch, locker

Quasar Occupancy distance and presence helm seat, cabin, cockpit

Quasar Vibration and Quasar Temperature outboard, anchor locker, any space

Shore power and STAR switching

Quasar Shore Power kit, a Shelly EM Gen3 clamp meter at the inlet with the Safiery beacon loaded volts, amps, watts, frequency, kWh. Alarms: shore lost, low or high voltage, frequency, inlet overload. 120 V and 230 V, 30 A and 50 A, same part

STAR-Power 100 A, 6 × 30 A plus 6 × 10 A dimmable

STAR-Light 40 A, 12 × 10 A dimmable, 2 × RGBW

STAR-Rover IP65, 4 × 15 A, H-bridge, RGBW

Fuseless, short circuit protection in 80 microseconds. Switching from the panel. Stainless steel switches, MFD backup and remote control are the add on on page 2.

TYPICAL SYSTEM, COSTED

25 ft centre console, outboard, one house battery, as pictured

ITEM	QTY	RRP	US\$
Quasar Glass 4 inch panel, under the hardtop	2	295.00	590
STAR-Power, 6 × 30 A plus 6 × 10 A	1	643.10	643
Victron Lithium SuperPack 12.8 V 200 Ah NG	1	1,200.00	1,200
Victron Orion XS 12/12-50 A DC-DC charger	1	349.00	349
Victron SmartSolar MPPT 100/30	1	144.00	144
STAR-Tank, fuel and fresh water	2	240.00	456

Panels, power, switching and tanks

3,382

ITEM	QTY	RRP	US\$
Ruuvi 4in1, cabin and fish box	2	45.00	90
Quasar Water Leak, bilge fwd, mid, aft	3	49.00	147
Quasar Door, console door	1	49.00	49
Quasar Occupancy, helm	1	89.00	89
Quasar Shore Power kit, 30 A, 120 V	1	120.00	120

Sensors and shore power

495

System total, zero engineering

3,877



Quasar ONE: predictive health and remote control

Quasar ONE is a small controller with a modem and eSIM that sits on the boat's network and the NMEA 2000 backbone. It takes everything the panel already reads and does two things the panel cannot: it watches the data for the early signs of failure, and it lets the owner operate the boat from the phone.

How predictive health works. Quasar ONE listens to the NMEA 2000 bus and the Bluetooth devices for 16 seconds and builds a model of the boat on its own: which engine, battery, charger and pump, and how they relate. Every reading is then compared against that model and the boat's own history. A bilge pump that runs longer each week, a battery whose charge acceptance drops, a shore voltage that sags more each month: these show as a health score falling, weeks before an alarm would fire. The owner sees a Vessel health page on the panel and in the app; the builder sees the same page for warranty questions.

Twelve stainless steel switches on two LIN nodes control STAR-Power directly. The MFD gives alternative switching. STAR-Power has backup buttons on the module.

What Quasar ONE adds to the kit

CAPABILITY	QUASAR GLASS ALONE	WITH QUASAR ONE
Read Victron, tanks, sensors, shore	Yes	Yes
Switch STAR circuits on board	Panel	Panel, switches, MFD
Switch STAR circuits from No off the boat	No	Yes, with local permission
Remote monitoring and alarms off the boat	No	Yes, built in modem and eSIM
NMEA 2000 engine, GPS, AIS data	No	Yes, self discovered
Predictive health, Digital Twin, cloud history	No	Yes
Builder fleet analytics	No	Yes, per hull licence
LIN button nodes	No	Yes, LIN master built in

THE SAME BOAT WITH THE ADD ON

25 ft centre console, costed with 12 stainless steel switches and MFD backup

ITEM	QTY	RRP	US\$
Zero engineering system, page 1			3,877
Quasar ONE, modem, eSIM, NMEA 2000, LIN master	1	495.00	495
LIN node, 6 button, IP67	2	126.30	253
Stainless RGB push button, laser annealed icon	12	16.10	193
Cable, node to switch	12	6.30	76
NMEA 2000 5 pin cable, Quasar ONE to node, node to node	2	22.00	44
NMEA 2000 backbone estimate: tees, terminators, 3 drops	1	190.00	190

System total with the add on 5,128

Data plan and AI health services billed separately, first year included. Backbone at trade prices; MFD not included.

UPGRADE OPTION	QTY	RRP	US\$
Quasar Glass 10 inch panel in place of one 4 inch	1	590.00	+295
Quasar Glass 13.3 inch touch display, helm	1	890.00	+595
Third LIN node and 6 buttons	1	283.00	+283

With the add on and the 10 inch panel 5,423

All panels read the same devices; adding one adds nothing to commissioning. The 10 inch shows tanks, power, shore and health on one page at the helm; the 4 inch pages through them.