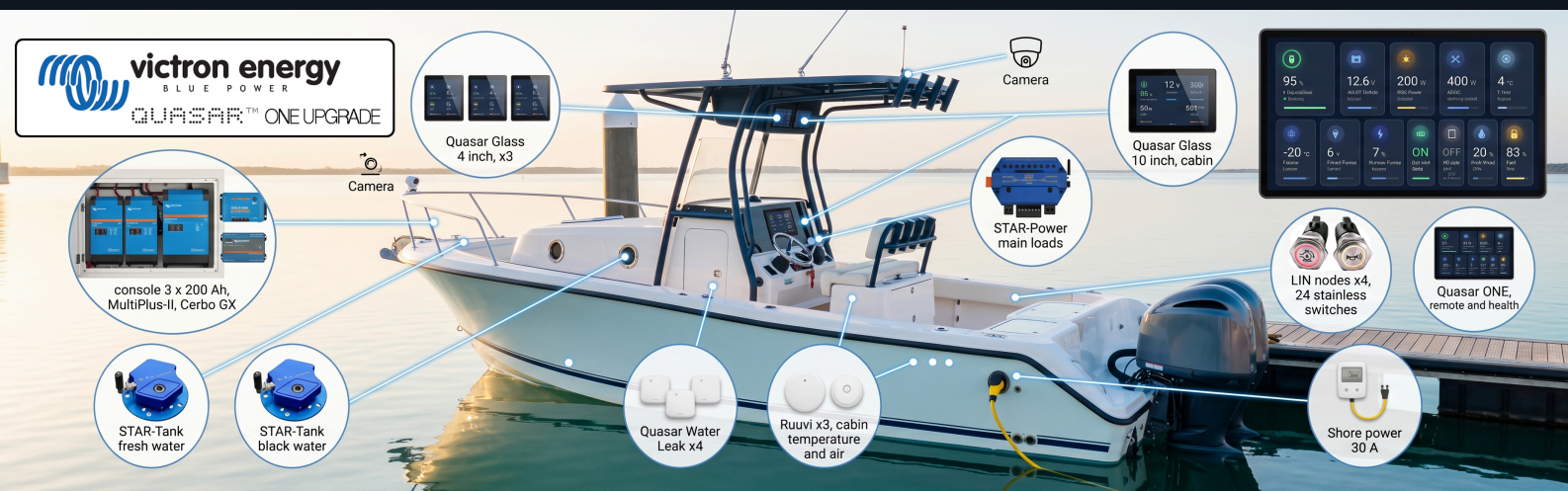




Power and Vision. Integrated system with full remote monitoring and control.

36 ft cabin centre console. Victron power, stainless steel switches, STAR control and two cameras on glass at the helm and in the cabin, and in the cloud as a Digital Twin.

Quasar ONE ships in the box. It reads the Cerbo GX over the network and the engines over NMEA 2000, carries its own modem and eSIM, and builds the model of the boat on its own. Every device arrives paired and named.



TYPICAL SYSTEM, COSTED

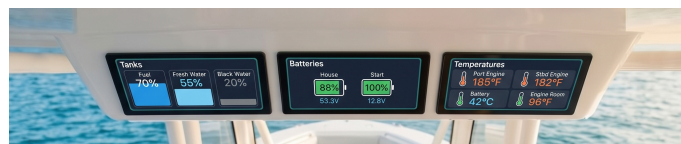
36 ft cabin centre console, twin outboards, 600 Ah house bank

VICTRON POWER	QTY	RRP	US\$
Lithium SuperPack 12.8 V 200 Ah NG	3	1,200.00	3,600
MultiPlus-II 12/3000 2x120 V	1	1,045.00	1,045
Cerbo GX MK2	1	278.00	278
Orion XS 12/12-70 A, one per engine	2	420.00	840
SmartSolar MPPT 100/30	1	144.00	144

Victron power 5,907

GLASS, QUASAR ONE, CAMERAS	QTY	RRP	US\$
Quasar Glass 4 inch, under hardtop	3	295.00	885
Quasar Glass 10 inch panel, cabin	1	590.00	590
Quasar ONE, modem, eSIM, NMEA 2000	1	495.00	495
Quasar Glass Router, 5 GHz Wi-Fi	1	315.00	315
IP camera, aft deck and anchor winch	2	149.00	298

Glass, Quasar ONE and cameras 2,583



STAR SWITCHING	QTY	RRP	US\$
STAR-Power, 100 A, main loads	1	643.10	643
STAR-Light, 40 A, cabin lighting	1	630.21	630
LIN node, 6 button, IP67	4	126.30	505
Stainless RGB push button, icon	24	16.10	386
Cable, node to switch	24	6.30	151
NMEA 2000 5 pin cable to nodes	4	22.00	88

STAR switching, 24 switches 2,403

TANKS, SENSORS, SHORE	QTY	RRP	US\$
STAR-Tank, fresh and black water	2	240.00	456
Ruuvi 4in1 temperature, cabin	3	45.00	135
Quasar Water Leak, bilge	4	49.00	196
Quasar Door, cabin door and hatch	2	49.00	98
Quasar Occupancy, cabin	1	89.00	89
Quasar Shore Power kit, 30 A	1	120.00	120
NMEA 2000 backbone estimate, 5 drops	1	250.00	250

Tanks, sensors, shore, backbone 1,344

System total, remote included 12,237



The integrated mobile app

The free Quasar Glass App shows the same pages as the glass on board: batteries, inverter, charging, tanks, bilge, cabin, shore power and the two cameras. Aboard it runs over the kit's own 5 GHz Wi-Fi with no internet; away from the boat it runs through the Quasar ONE modem and eSIM, same pages, same alarms.

Power control. The Cerbo GX is read and written over Modbus TCP, so the owner switches the MultiPlus-II on, off or to charger only and sets the shore current limit from the phone, aboard or away. STAR-Power and STAR-Light circuits switch from the app, the glass, the 24 stainless switches and the MFD, and remote switching asks for local permission once per trip.

Cameras. Two waterproof IP cameras stream to the glass and the app: the aft deck for the cockpit and swim platform, and the anchor winch for the chain when weighing anchor. Snapshots attach to alarms, so a bilge or door event arrives with a picture.

AUTOMATED ENGINEERING

Zero engineering with Quasar AI

Before the kit ships. The builder fills in one spreadsheet: circuits, loads, tanks, sensors, panel names. Safiery's AI Configuration Service turns it into the STAR channel settings, the Quasar Glass pages and the Victron settings, loads them, and powers up every Bluetooth device so its pairing code is already in the panels. The kit arrives as one working system.

On the boat. Quasar ONE listens to the NMEA 2000 backbone and the Bluetooth devices for 16 seconds and builds a model of the boat on its own: which engines, which battery, which charger, which pump, and how they relate. No PC tool, no configuration file, no instance numbers, no dealer visit. This self built model is the subject of two Australian patent applications.

The MFD keeps its own pages and its own switching through the Quasar ONE. If the glass is ever off, the stainless switches and the MFD still run the boat, and STAR-Power has backup buttons on the module.

DIGITAL TWIN

Quasar ONE: state of health, pre-checks and predictive maintenance

State of health

Every reading from the Cerbo, the engines, the STAR modules and the sensors is compared against the boat's own model and history in the cloud. Each system carries a health score with the reason in plain words: charge acceptance against last month, DC-DC temperature against load, bilge pump run time per week, shore voltage sag at the usual dock.

System pre-checks

Before the owner leaves the dock, and before the builder hands over, Quasar ONE runs the same list: bank charged and balanced, both DC-DC chargers seen, inverter in the right mode, tanks as expected, all four bilges dry, door and hatch closed, shore cord unplugged, both cameras live. One page on the glass and in the app, green or with the item that is not right.

Predictive maintenance

A falling score is a service item weeks before it is a failure. The owner gets it in the weekly summary; the builder sees it in the fleet view, anonymised by default, so a warranty question is answered from the record. Parts are ordered before the boat comes in. The first year of data and AI health services is included with Quasar ONE.

WHAT THE OWNER SEES	ABOARD	AWAY
Batteries, state of charge, time to go	Glass and app	App
Inverter on, off, charger only; shore current limit	Glass and app	App
STAR circuits, 24 switches, dimming	Switches, glass, MFD, app	App, with permission
Tanks, bilge, door, hatch, occupancy	Glass and app	App and alarms
Shore power lost, voltage, frequency	Glass and app	App and alarms
Two cameras, live and on alarm	Glass and app	App
Engine data, GPS, AIS from NMEA 2000	Glass and app	App
Vessel health scores	Glass and app	App, weekly summary



What that removes from the build sheet. A digital switching configuration day. A Cerbo setup session. A pairing step per device at handover. The instance number clash when a second battery monitor appears. The service call when the owner's phone cannot find the boat.

What it costs the builder. One spreadsheet and the 12 V and NMEA 2000 wiring. Everything else is in the box.