


Product Name	Smart Terminal Controller
Product Image	
Part Number	STC-001
Dimensions & Weight	
Product Description	<ul style="list-style-type: none"> • The Smart Terminal Controller is the central intelligence layer of the Smart Boat ecosystem, providing real-time monitoring, diagnostics, and control across your vessel's electrical circuits. • It working in conjunction with Smart Terminal Blocks, continuously monitoring sensors throughout your vessel, enabling precise fault identification and proactive alerting. • In addition, integrated battery monitoring functionality delivers accurate state-of-charge insights—eliminating the need for standalone shunt-based systems. • The result is a unified platform that transforms traditional marine wiring into a transparent, manageable, and intelligent system.
Key Features	<ul style="list-style-type: none"> • Centralised Circuit Monitoring Monitors voltage across up to 64 individual circuits (via connected Smart Terminal Blocks) • Advanced Fault Detection Identifies loss of power at circuit level—distinguishing between supply issues, fuse failure, or wiring faults • Configurable Alerts App-based alerts for selected circuits, including: <ul style="list-style-type: none"> ○ In-app notifications ○ Audible/visual alerts ○ SMS and email notifications • Integrated Battery Monitoring Built-in current shunt functionality for accurate battery state-of-charge tracking • Dual Voltage Inputs Monitors two independent supply voltages (e.g. starter motor & house banks) • App-Based Configuration Full setup, monitoring, and alert management via the Smart Boat app

Customer Benefits	<ul style="list-style-type: none"> • Immediate Fault Visibility Know exactly where and why a failure has occurred—no trial-and-error diagnostics • Reduced Downtime Identify and resolve electrical issues faster, even remotely • Lower System Cost Removes the need for separate battery monitors and shunt systems • Improved Safety Early warning of power loss to critical systems such as bilge pumps • Future-Proof Platform Scalable architecture that grows with your onboard systems
Use Cases	<ul style="list-style-type: none"> • Bilge Pump Monitoring Instant alerts if power is lost to a pump circuit • Critical Systems Supervision Monitor navigation electronics, lighting, refrigeration, or safety equipment • Battery Management Track house and starter battery performance in real time • Remote Vessel Awareness Receive alerts when away from the boat
SmartBoat Ecosystem Context	<p>The Smart Terminal Controller acts as the brain of the system, interfacing with Smart Terminal Blocks to deliver visibility and control over circuits that would otherwise remain opaque in traditional wiring setups.</p> <p>It bridges the gap between physical wiring infrastructure and the Smart Boat app, enabling a fully connected onboard electrical environment.</p>
Installation & Integration	<p>Designed for competent DIY installers and marine professionals, the system:</p> <ul style="list-style-type: none"> • Integrates with existing wiring (no full rewire required) • Simplifies future modifications and upgrades • Significantly improves fault-finding efficiency <p>Designed for surface or Din Rail mounting</p>