


Product Name	Smart Terminal Blocks
Product Image	
Part Number	STB-48 STB-48HC80 STB-24 STB-24HC40
Dimensions & Weight	•
Product Description	<ul style="list-style-type: none"> • Smart Terminal Blocks form the physical backbone of the Smart Boat wiring system, acting as intelligent distribution hubs for onboard electrical circuits. • Each block combines fused power distribution with per-circuit monitoring, visual status indication, and integrated communication with the Smart Terminal Controller. • Designed for clarity, modularity, and safety, they replace traditional fuse panels and junction points with a structured, scalable, and diagnostically transparent solution. • STB-48HC80 handles 40A per side, 80A total. • STB-24HC40 handles 20A per side, 40A total. • STB-48 handles 20A per side, 40A total. • STB-24 handles 20A per side, 40A total.
Key Features	<p>Electrical Architecture</p> <ul style="list-style-type: none"> • Fused Circuit Distribution <ul style="list-style-type: none"> ○ 4_8 variant: dual supply inputs, 8 outputs (4 per side) ○ 2_4 variant: single supply input, 4 outputs (2 per side) • High Current Capacity <ul style="list-style-type: none"> ○ Up to 80A total (40A per side) ○ Max 15A per circuit • Duplex Wiring Design Dedicated positive and negative terminals per circuit for clean, traceable wiring <p>Monitoring & Indication</p> <ul style="list-style-type: none"> • Per-Circuit Monitoring Tracks fuse status and voltage at each output

	<ul style="list-style-type: none"> • Integrated Status LEDs Immediate visual indication of circuit condition <p>System Intelligence</p> <ul style="list-style-type: none"> • Controller Integration Fully compatible with Smart Terminal Controller for app-based monitoring and alerts • Relay Outputs Two programmable relay outputs to trigger external actions (e.g. alarms, lights, notifications)
Customer Benefits	<ul style="list-style-type: none"> • Structured, Professional Wiring Clean, logical layouts replacing ad-hoc wiring looms • Faster Fault Finding Visual and app-based diagnostics reduce troubleshooting time • Improved Safety Fused and isolated circuits reduce risk of overload or system-wide failure • Simplified Expansion Easily add or reconfigure circuits as systems evolve • Reduced Installation Complexity One cable per device (positive + negative paired)
Use Cases	<ul style="list-style-type: none"> • Cabin Zoning Separate electrical systems by area (aft cabin, forward cabin, helm, etc.) • System Isolation Shut down specific zones without affecting others • Equipment Clustering Group related devices (lighting, pumps, electronics) on dedicated blocks • Retrofit Installations Upgrade existing boats without full rewiring
SmartBoat Ecosystem Context	<p>Smart Terminal Blocks act as the distributed wiring layer, while the Terminal Controller provides the intelligence. Together, they convert traditional marine electrical systems into a modular, monitored, and app-connected architecture—without requiring complete replacement of existing equipment.</p>
Installation & Integration	<p>Designed for competent DIY installers and marine professionals, the system:</p> <ul style="list-style-type: none"> • Compatible with standard marine wiring practices • Designed for modular installation across the vessel • Supports both centralised and distributed layouts <p>Designed for surface or Din Rail mounting</p>