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| Product Name | Passive Terminal Blocks |
| Product Image |  |
| Part Number | PTB-48 |
| Dimensions & Weight | • |
| Product Description | <ul style="list-style-type: none"> • Passive Terminal Blocks form the physical backbone of the Smart Boat wiring system, acting as distribution hubs for onboard electrical circuits. • Each block combines power distribution with per-side visual status indication. • Designed for clarity, modularity, and safety, acting as junction points forming a structured, scalable, and diagnostically transparent solution. |
| Key Features | <p>Electrical Architecture</p> <ul style="list-style-type: none"> • 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"> • 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 Wiring ecosystem for app-based monitoring and alerts |
| 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 |

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| | <ul style="list-style-type: none"> • 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>Passive 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> |