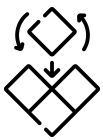


Tanktwo Smartpak for ready-to-go and on-the-go medical devices

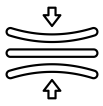
Building custom battery solutions for large medical devices is costly, labor-intensive, and time-consuming. Plus, inefficient maintenance increases operating expenses, and equipment failure can literally cost lives.

Tanktwo Smartpak is a data-driven software-defined battery solution that helps medical equipment manufacturers lower R&D costs, streamline maintenance, and address their customers' priorities.



CONFIGURABILITY + INTEGRATION

Thanks to its modular design, engineers can configure the Smartpak to fit (or retrofit) virtually any large medical device without redesigning existing equipment. Blocks are connected without any internal wiring for easy and fast integration to further lower development costs.



FLEXIBILITY + AGILITY

Manufacturers can adjust battery behaviors and parameters with a few clicks on the screen to use one battery solution for (almost) all devices to simplify logistics. Also, Smartpak can use cells of different chemistries to minimize the risks of supply chain fluctuations.



RELIABILITY + EFFICIENCY

Tanktwo's predictive analytics capabilities provide real-time insights and visibility so equipment providers can schedule just-in-time visits to ensure continuous uptime, prevent unplanned downtime, maintain top performance, optimize resource usage, and lower operating costs – without the inefficiency of just-in-case maintenance.



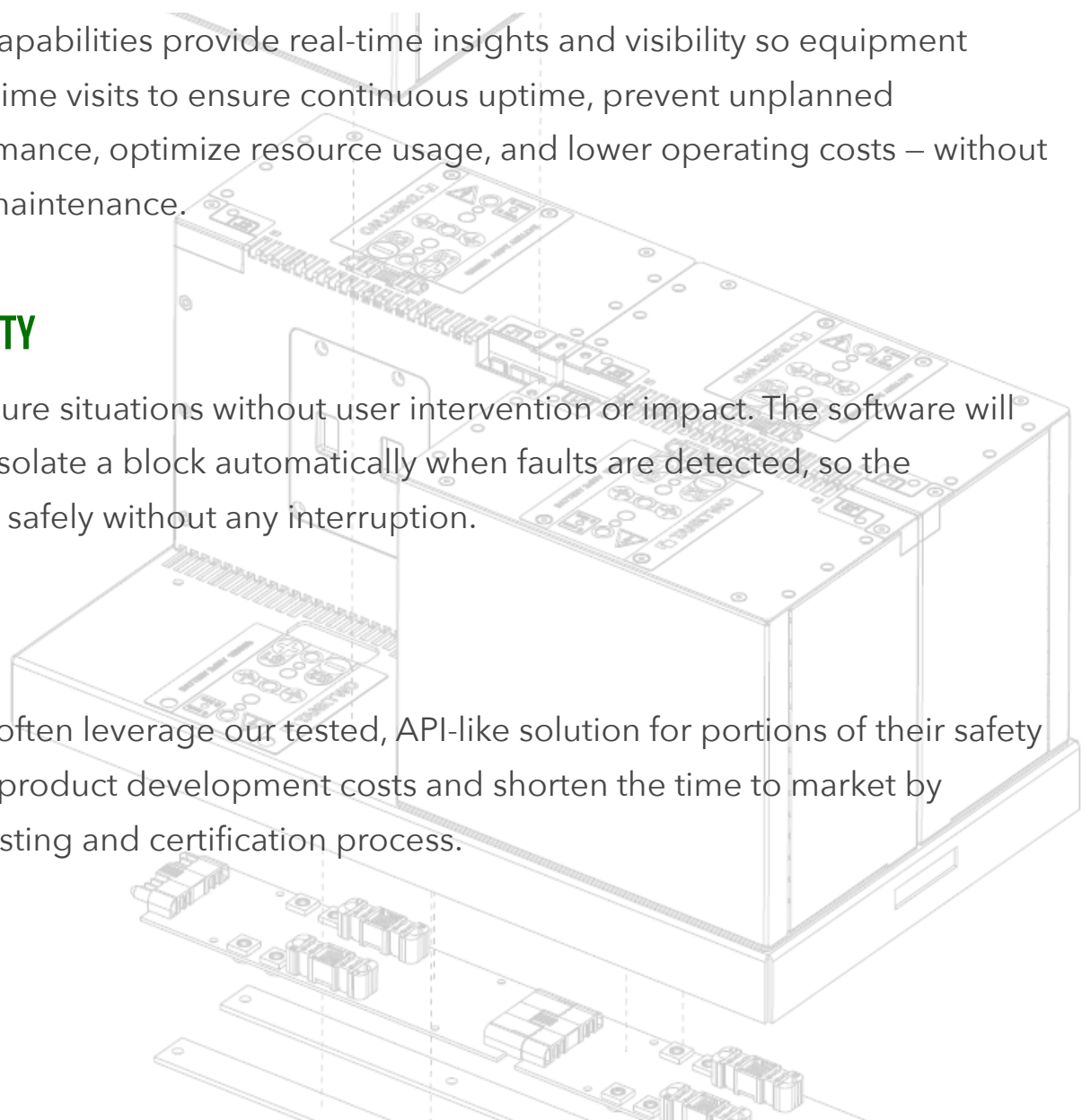
SAFETY + OPERATIONAL CONTINUITY

The smart cells can manage failure situations without user intervention or impact. The software will shut down individual cell(s) or isolate a block automatically when faults are detected, so the equipment can keep operating safely without any interruption.

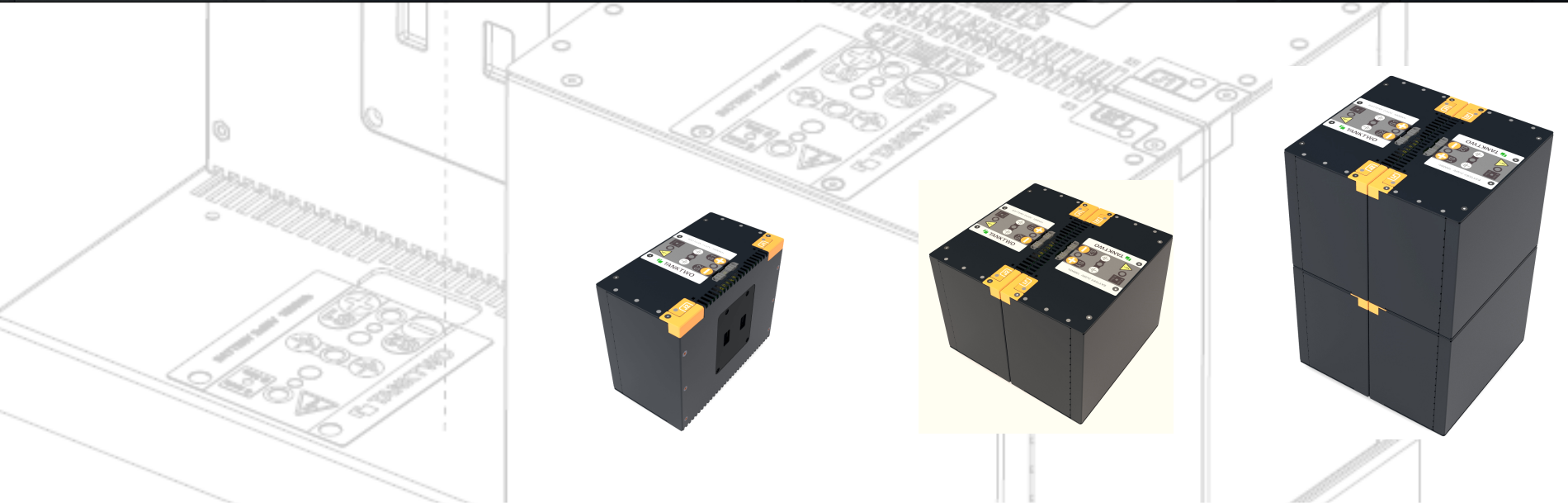


TESTING + TYPE APPROVAL

Equipment manufacturers can often leverage our tested, API-like solution for portions of their safety certifications. They can reduce product development costs and shorten the time to market by streamlining the compliance testing and certification process.



TANKTWO SMARTPAK CONFIGURATION EXAMPLES



Configuration	1S	2P	4P
Nominal Voltage	Configurable 4V - 100 V	Configurable 4-110V	Configurable 4-220V
Regulated Output Voltage Range	Nominal voltage $\pm 2.1V$	Nominal voltage $\pm 2.1V$	Nominal voltage $\pm 2.1V$
Number of Modules	1	2	4
Capacity (Typ.)	1.5 kWh	3 kWh	6 kWh
Dimensions (H/W/D)	248x230x170 mm	248x230x340 mm*	496x230x340 mm
Weight	12kg	24 kg	48 kg
Max Continuous Discharge Current	5 A	10A	20A
Typical Discharge Cutoff Voltage	Nominal voltage $\pm 1.6V$	Nominal voltage $\pm 1.6V$	Nominal voltage $\pm 1.6V$
Recommended Charge Voltage**	> 100 V	> 100V	> 100V
Cell Type	Supports multiple chemistries	Supports multiple chemistries	Supports multiple chemistries
Interval for Storing Battery Data	Configurable	Configurable	Configurable
Cloud Storage for Cell dData	Yes	Yes	Yes

*Blocks can be connected in various ways to meet a application's dimensional requirements.

**Any voltage over 4 V can be used for charging to minimize the charging time.

