

REVO 3.0 TPX500

Backup Power Solution for
Data Center



REVO 3.0 TPX500

Safety Sustainable, Constinues Stable

TPX600 is a LFP battery backup system developed by VISION specifically for UPS, making megawatt level applications simpler.

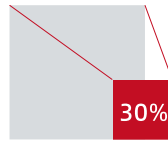
High-power density, redundant safety design, easy installation, maintenance free, remote monitoring, etc.



Lithium VS Lead:



energy density



Weight



Cycles

■ Lead ■ Lithium



Data Center



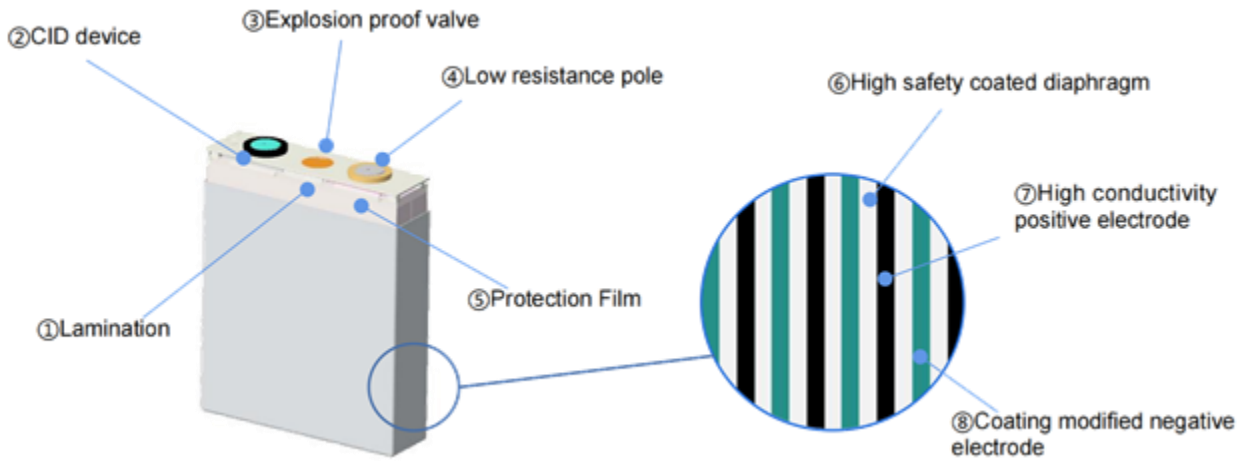
Banking and Finance



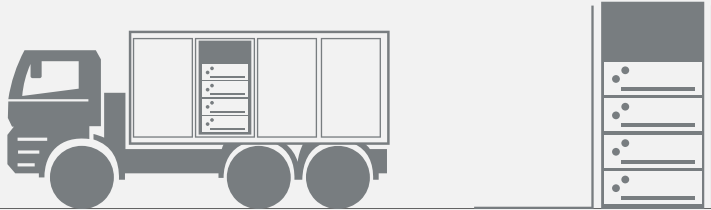

Rail transit



Petrochemical industry



Features:

| | |
|---------------------|---|
| <p>Safety</p> | <p>Ten-fold redundant safety design:</p> <ul style="list-style-type: none"> Cell fuse、Explosion-proof valve、Flame-retardant separator、Flame-retardant electrolyte、Module insulation design、Leakage prevention design、Leakage protection、Circuit breaker (MCB)、System fuse、Module fire protection、Rack fire protection |
| <p>Installation</p> |  <p>➤ Reduce labor costs by over 60%</p> <p>Prefabricated transportation makes on-site installation more convenient, shortens on-site delivery cycles, and saves 70% of installation time.</p> |
| <p>Performance</p> |  <p>The power density of a single cabinet can reach over 600KW, which is 100% higher than competitors and can greatly reduce the number and footprint of cabinets.</p> |

*This spec is as comprehensive and detailed as possible based on existing materials, but the VISION reserves the final right to provide data, parameters, and other information. No further notice!

| Item | TPX500 |
|---------------------------------|---|
| Basic parameters | |
| Rated voltage | 512V |
| Rated capacity(25 °C,0.5 °C) | 120Ah |
| Rated energy(25 °C,0.5 °C) | 61.4KWh |
| Number of modules | 10 |
| Weight | ~1163Kg |
| Material system | LiFePO4 |
| IP rating | IP20 |
| Dimensions (W * D* H) mm | 800*750*2000 |
| | 442*800*149(module) |
| Install | Reserve at least 800mm of space before installation,Can be installed against the wall |
| Communication | RS485&CAN&TCP/IP;Dry contact |
| Cycle (10C, 25 °C) | >1000 @100% DOD |
| Design life(25 °C) | 15 years |
| Fire protection | Module level (standard), cabinet level (optional) |
| Compatibility | All mainstream UPS/HVDC |
| Certification | UL1973,UL9540A,IEC62619,IEC62477,IEC62620,ICC-ES AC156,EN61000-6-2&EN61000-6-4,UN38.3 |
| Electrical parameters | |
| working voltage | 400~576V |
| Maximum power (Kw) | 500 |
| Max charge current (25 °C) | 120A |
| Standard charge current (25 °C) | 60A |
| Recommended charge voltage | 544~552V |
| Discharge cut-off voltage | 448V |
| short-circuit current | 9KA |
| Self discharge(25 °C) | <1%@month |
| internal resistance | <55mΩ |
| Protection function | OV、UV、OT、OC、Short circuit protection, etc |
| Environment | |
| Storage temperature | 0°C~45°C |
| working temperature | 0°C- 45°C (15°C-35°C recommended) |
| relative humidity | 5%~95%(non condensing) |
| Working altitude | ≤4000m According to IEC standards, derating is required when the altitude exceeds 1000m |

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