

REVO 3.0 TPX600

Backup Power Solution for
Data Center



REVO 3.0 TPX600

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



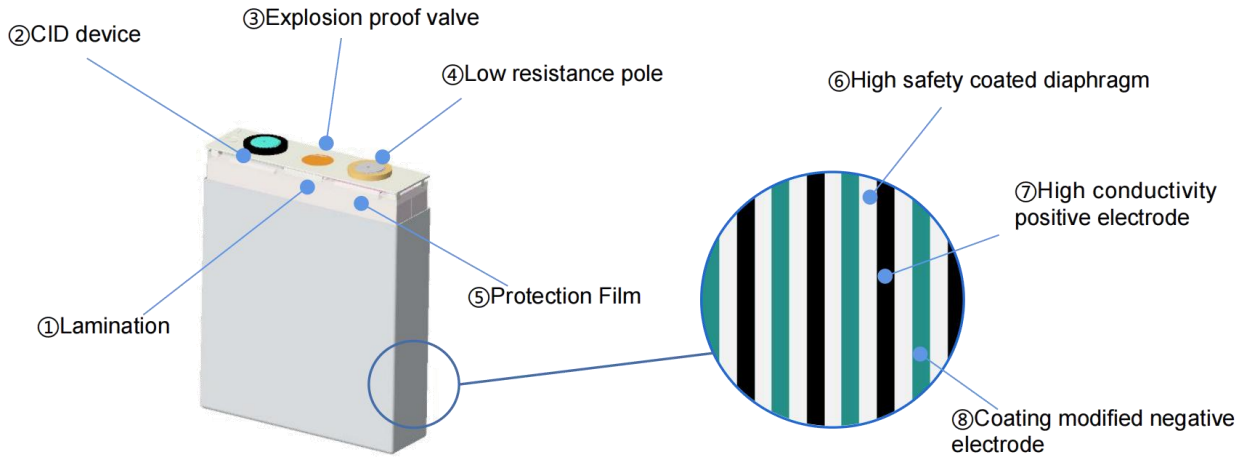
Banking
and Finance



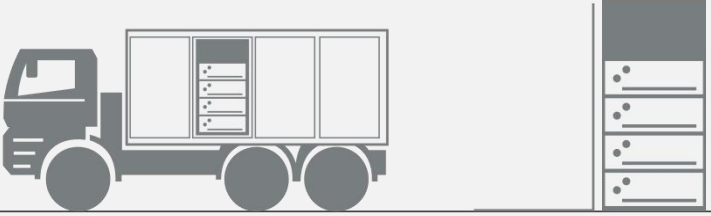
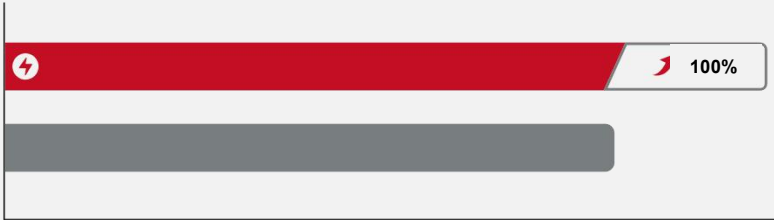
Rail transit



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	TPX600
Basic parameters	
Rated voltage	614.4V
Rated capacity(25 °C,0.5 °C)	120Ah
Rated energy(25 °C,0.5 °C)	73.7KWh
Number of modules	12
Weight	~1300Kg
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	480~691.2V
Maximum power (Kw)	600
Max charge current (25 °C)	120A
Standard charge current (25 °C)	60A
Recommended charge voltage	656~672V
Discharge cut-off voltage	537.6V
short-circuit current	9KA
Self discharge(25 °C)	<1%@month
internal resistance	<60mΩ
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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