

Cubox

Mobile Energy Storage Power Supply


- TVSS-300-725
- TVSS-630-1451





Product Overview


The Cubox is a new Tecloman's generation of mobile energy storage power supply that helps operators significantly reduce fuel consumption and CO2 emissions while providing excellent performance, low noise and low maintenance costs. Cubox uses high-density lithium-ion batteries and high-efficiency inverter systems to achieve outstanding energy storage and distribution goals.


Compared with traditional products, Cubox has a more compact structure, lower weight, and standard container size design for easy transportation. They are ideal for noise-sensitive environments such as construction site telecommunications at events or in large cities, or rental applications, or working with generators to solve low load problems.


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Integrated, high protection structure design, meet the outdoor environment installation and long-term use.
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High-density lithium iron phosphate battery system, supporting multiple sets of parallel use, covering the 20kW~1.2MW power range.
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One-piece transportation, easy installation, meet a variety of application scenarios.
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Quiet design, ideal for noise-sensitive applications.
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Compatible with diesel generators and power grid inputs to easily cope with complex working conditions.
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Intelligent human-machine interaction design, cloud-based technology plus, remote maintenance and monitoring.



Model	TVSS-300-725	TVSS-630-1451
Rated capacity	725 kWh	1451 kWh
Battery cell	LFP 3.2V 315Ah	
Rated power	300kVA	630kVA
AC mode	3W+N+PE	
Input voltage	340 ~ 440V	
Allowable input frequency	50/60Hz±5HZ	
Rated input current	432A	909A
Power factor	±0.99	
Overload capacity	110% for long-term; 120% for 1min	
On/off-grid switching	Equiped	
Rated output voltage	400V	
Rated output frequency	50/60Hz	
Output voltage deviation	≤2%	
Output voltage unbalance	≤1%	
Harmonic (THD)	≤3% (Pure resistive load)	
Cooling	Intelligent Air Conditioner	
Communication interface	RS485 / CAN / Ethernet	
HMI	Touch screen	
Remote data monitoring	Equiped	
Cloud platform access	Equiped	
Operating temperature	-20°C ~ 50°C (Capacity reduction above 45°C)	
Operating humidity	≤95% Without condensing	
Altitude	≤4000m, >2000m derated	
Weight	≤11000kg	≤20000kg
Dimensions(W×D×H)	2991×2438×2896mm	6058×2438×2896mm
Fire suppression system	Aerosol fire extinguishing system	
Certification	IEC62619, IEC63056, IEC62477-1, IEC61000-6-2, IEC61000-6-4, IEC62933, NFPA69, NFPA855, EN 50549-1	