

Green Vision Energy Storage Power Supply Equipment and Management System

SV-GMV-G1A-EX



Making Cities Better

Product Overview

The Green Vision Energy Storage Power Supply Equipment and Management System is an integrated, civil-construction-free, quickly deployable intelligent energy storage power supply management equipment. The equipment consists of three parts: base, battery box, and pole. The base counterweight ensures stable placement; the battery box is standard equipped with two replaceable large-capacity energy storage batteries and a power management unit; the pole can be equipped with various intelligent hardware perception devices, suitable for multiple scenarios such as parking management, smart transportation, security monitoring, and large-scale events/conference temporary control.

The power management unit integrates water immersion sensor, 4G communication module, temperature sensor, GPS/BD positioning module, device attitude sensor, etc., realizing data transmission, device status monitoring, remote deployment and intelligent management.

Product Appearance



BLUE ROBOT AI

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Functional Features

- Equipped with low-power high-level matrix, can realize management of up to 10 consecutive roadside parallel parking spaces simultaneously;
- Zero civil engineering ultra-fast installation, no need for power or network connection, ready to use, adaptable to various temporary and restricted construction scenarios
- Minimalist Installation, Efficient and Convenient Deployment
- Battery compartment and pole height can be configured as needed, supports multi-size customization, flexible adaptation to multiple scenarios
- Strong protection level design, with wind resistance, corrosion resistance, and waterproof capabilities, supports 65cm water depth immersion, resistant to 50Kg tension without tilting, suitable for outdoor all-weather work
- Built-in 4G communication, GPS/BD positioning, monitoring and control unit, supports real-time equipment status monitoring, remote intelligent management and real-time location display
- Standard equipped with two large-capacity explosion-proof lithium iron phosphate batteries, equipped with intelligent battery switching system, dual batteries automatically switch, equipment continues to work without power interruption
- Multiple safety protection mechanisms, supports battery low power alarm, equipment attitude roll alarm, water immersion over-threshold real-time alarm, and automatic power-off to protect equipment safety
- Supports optional solar panel for supplementary power, effectively extends battery life, reduces manual battery replacement frequency and operation and maintenance costs
- Equipped with integrated explosion-proof battery compartment, the whole machine adopts 12V low-voltage safe power supply design, with convenient charging and high safety factor
- The base adopts drawer-type fixed design, which greatly improves the overall stability of the equipment, and also facilitates quick battery replacement and later maintenance

Technical Parameters

Parameter Name	Parameter Value
Battery Rated Voltage	12.8V
Battery Rated Capacity	Large Capacity LFP (Customizable)
Battery Quantity	2 units
Maximum Battery Charging Voltage	14.6V
Discharge Cut-off Voltage	10.5V
Continuous Charging Current	Standard Current 30A

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Continuous Discharge Current	Standard Current 20A
Overall Weight	Configurable on demand (base counterweight + pole + dual battery)
Device Height	Pole height can be customized as needed
Smart Compartment	Integrated intelligent cabin (size can be configured on demand)
Battery Life	Long Battery Life (extendable with optional solar panel)
Communication Method	4G
Positioning Method	GPS/BD Positioning
Temperature Sensor	Built-in Temperature Sensor
Attitude Sensor	Built-in attitude sensor, roll/tilt detection alarm
Water Leak Sensor	Built-in water immersion sensor, automatic power-off protection for water immersion
Waterproof Standard	IP65, Waterproof Immersion ≤65cm
Operating Temperature	-25°C~70°C
Mechanical Protection	Wind resistance, corrosion resistance, resistant to 50Kg tension without tilting
Installation Method	Zero Civil Engineering, Mobile Deployment, Quick Installation
Solar Power Supplement	Optional Solar Panel
Battery Switching	Dual Battery Automatic Switching, Low Battery Alarm

Application Scenarios

Smart Parking Management

Intelligent Traffic Monitoring

Security Monitoring Deployment

Temporary Control for Large Events/Conferences

Deployment on narrow roads and complex road sections with construction restrictions



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