## **ViStarter** Edge Energy Management System



ViStarter Edge Energy Management System (EMS) is a lightweight local control and comprehensive energy management platform independently developed by Vilion team, which has the functions of real-time data collection and analysis, system operation scheduling and management, fault self-diagnosis and operation and maintenance.







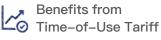
Supports Local Web and Cloud Access

O VPN and/or SCADA control.O Remote operation and maintenance.



 $\cdot \mbox{Running status is visible and controllable}$  in real time.

Whole life cycle running data can be traced.Anytime & anywhere energy management.



•Al algorithm flexibly adapts to the grid and load changes and make energy saving plan based on energy consumption analysis.



•Battery /PCS coordination management. •Multi-energy complementary supports solar, wind turbine, diesel generator and other energy control.

•Customized energy demands for multi– operating modes and control strategies.

## Applications and Customer Values



#### Business Buildings / Industrial Park

ViStarter can integrate solar and other power sources to ensure power supply reliability and system economy through peak-load shifting and store extra solar generation, and improve energy consumption experience.



#### New Energy Charging Station

ViStarter sends operating data to the server in real time for remote monitoring and data analysis to achieve flexible capacity expansion.



#### **Remote Areas or Houses**

24-hour AI computing and cloud maintenance to provide users with automatic uninterruptible power.



#### **Energy Investment Operator**

Intelligent energy management + digital operation and maintenance technology to achieve intelligent and safe operationof energy storage assets.



#### New Energy Station

ViStarter intelligently smooth new energy power generation output and optimizes the new energy utilization.

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Version No.: 1.0

### Safe and Reliable

•Real-time data and complete historical data storage are convenient for analogy and analysis; •Perfect fault protection function.

### Convenient and Efficient

Remote visibility, controllability and adjustment;
 Convenient & cloud operation and maintenance;
 Millisecond-level rapid response.

**EMSIV4S** 

## A Flexible and Intelligent

Real-time cloud AI computing;
Fast fault location and analysis;
Precise and efficient control strategies.

## Parameters

General Parameters	
Power supply method	DC12V,9A
Display size	10.1 inches
DPI (px)	1280*800
Ingress protection	IP20
Operating ambient temperature	–20°C~50°C
Operating humidity	10%~95%
Dimension (L*W*H)	320mm*60mm*500mm
Weight	About 9kg
Warranty	5 years
Function Parameters	
Mode	On-grid, peak-load shifting, PV output smoothing, backup power
Data display	Yes
Human machine interface (HMI)	Yes
Local parameter configuration	Yes
Data return	Yes
Data storage	Yes
External Data Interface Para	meters
Ethernet	2 x Intel® I210AT GbE LAN ports
USB	4 x USB 2.0 (500mA per each)
SIM	1 x SIM card holder
COM1	2 x RS485
COM2	2 x RS485
COM3	2 x RS485
Antenna	1x4G



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