

▶ TAITEN Energy Storage Site Controller 30 Series



TAITEN Energy Storage Site Controller 30 Series

HDP-SC-30-A



【System Brain】 Full-Stack Minimalist Coordination

- › One-Click Full-System Connection: Deeply integrates PCS, BMS, liquid cooling, and fire protection systems, eliminating communication delays to achieve millisecond-level perfect linkage.

【Rapid Deployment】 1-Hour Automatic Networking

- › A Leap from Days to Hours: Built-in self-scanning and self-configuration algorithms. Reduces on-site commissioning time for 1GWh-scale projects from weeks to 12 days, significantly lowering labor costs.

【Industrial Protection】 Ultimate Safety and Dual Redundancy

- › Uninterrupted Protection: Built-in 2500V high-isolation voltage protection and dual power redundancy. Ensures normal operation of fire protection and cooling monitoring even if the main power supply is abnormal.

【Intelligent Prediction】 Maximizing Asset Lifespan

- › Cell-Level Health Monitoring: Combines AI big data to identify internal resistance abnormalities in advance and actively balance them, solving the "bucket effect" and increasing the system's round-trip efficiency (RTE) to over 92%.

【Powerful Grid Formation】 Supports Stable On-Grid Connection

- › Microsecond-Level Power Support: Equipped with the latest Stem-Cell grid formation technology, it has GW-level black start capability and perfectly adapts to various stringent weak grid regulations.



Product Name	TAITEN Energy Storage Site Controller 30 Series
Product Model	HDP-SC-30-A
Communication	
Default IP ETH1 Port	192.168.1.100
RS485	8
Digital inputs	24
Digital outputs	10
Ethernet	5
PT100	2
Analog Input	2 (4-20 mA, 0-100 mVdc)
Power Supply	
AC input	110-240 Vac, 50/60 Hz
DC input	24 Vdc
Power consumption	Max. 50 W
Ambient Conditions	
Operating Temperature	-30 to 60 °C
Storage Temperature	-40 to 85 °C
Relative air humidity	95% (non-condensing)
Elevation	4000 m
Protection class	IP20
Mechanical Parameters	
Dimensions (W×H×D)	440 × 44 × 241 mm
Weight	3 kg
Installation	Rack-mounted, wall mounting



智慧綠能 隨手可得

Smarter Energy, Accessible Green.

+886-2-2832-8057

sales@hdrenewables.com

5F, No. 35, Dexing W. Rd., Shilin Dist., Taipei City 111046