



TAITEN

Battery Management System 30 Series



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HDP-BMS-30-A



The HDP-BMS-30-A is a professional battery system controller specifically designed for energy storage systems. It collects and manages battery cluster information, providing comprehensive monitoring, control, and data management solutions for commercial and industrial energy storage applications.

CORE FUNCTIONS

[INTELLIGENT MONITORING]

- › Real-time battery system information display
- › Battery Management System (BMS) fault and alarm status management
- › Liquid cooling unit information and failure status monitoring
- › Dry node fault and alarm status tracking
- › Comprehensive battery cluster performance analysis

[ADVANCED CONTROL]

- › Digital Output (DO) control status management
- › Liquid cooling unit operating status control
- › Battery cluster operating parameter management
- › Multi-device coordination and scheduling

[DATA COLLECTION & MANAGEMENT]

- › Real-time data collection from battery clusters
- › Automatic system state change recording
- › Historical data archive with time-series tracking
- › Fault and alarm event logging



Product Name	TAITEN Battery Management System 30 Series
Product Model	HDP-BMS-30-A
System	
Controller functions	Battery cluster information collection, uploading to SCADA, status management, liquid cooling unit management, dry contact/DO control
Functions	Real-time monitoring, Update function, O&M
Communication	
RS485 interface	8
Ethernet port	5 * 10 / 100 Mbps
Communication protocol	IEC 60870-5-104, Modbus RTU / TCP
IO	
DI / DO	24/10
AI	4 (1 * AI: 0 VDC ~ 10 VDC, 3 * AI: 4 mA ~ 20 mA)
Power Supply	
AC input	100 VAC ~ 240 VAC, 50 Hz / 60 Hz
DC input	24 VDC ($\pm 10\%$)
Ambient conditions	
Operating temperature	-30 °C ~ 60 °C
Storage temperature	-40 °C ~ 70 °C
Operating humidity	0 % ~ 95 % (non-condensing)
Operating altitude	≤ 4000 m
Ingress protection	IP20
IO	
Dimensions (W*H*D)	440 mm * 44 mm * 241 mm
Weight	3 kg
Cable specification	Power cable: 1.0 mm ² , ≤ 10 m RS485 cable: 0.75 mm ² ~ 1.5 mm ² outdoor-type, anti-UV, twisted-pair cable, with a shielding layer and ≤ 1000 m (@baud rate 9600)



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