



TAITEN

Energy Management System 30 Series



TAITEN Energy Management System 30 Series

HDP-EMS-30-A



The HDP-EMS-30-A is a site controller specifically designed for commercial and industrial application scenario. It offers a variety of control strategies and protection strategies, provides efficient operation and maintenance solutions, as well as optimal personalized services, which increase the revenue of the ESS.

CORE FUNCTIONS

【CONTROL LOGIC】

- › P/Q/PF control
- › Comprehensive protection strategy

【EFFICIENT O&M SERVICE】

- › O&M tools
- › Local O&M Service
- › One-Click update function

【SAFTY & RELIABILITY】

- › SOC balancing and protection
- › IEC62443-4-2 certification
- › Real-time monitoring and alarm

Product Name	TAITEN Energy Management System 30 Series
Product Model	HDP-EMS-30-A
System	
Controller functions	Self-consumption, Time plan, Feed in limitation, Peak shaving, Overload protection, Dynamic capacity expansion, P/Q/PF control, SOC intelligent management, Emergency power backup
Functions	Real-time monitoring, Update function, O&M
Certification	CE / IEC62443-4-2 / EN1803
Communication	
RS485 interface	7
Ethernet port	2 * 10 / 100 Mbps
Communication protocol	IEC 60870-5-104, Modbus RTU / TCP
IO	
DI / DO	16 / 4
AI	4 (1 * AI: 0 VDC ~ 10 VDC, 3 * AI: 4 mA ~ 20 mA)
Power Supply	
AC input	100 VAC ~ 264 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 * 224 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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