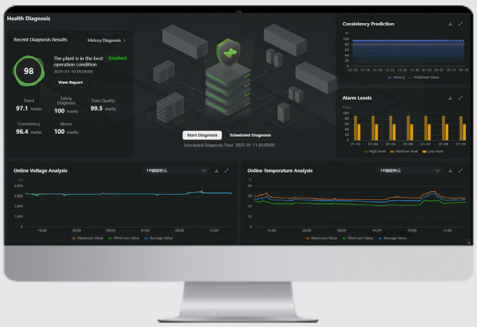
SUNGROW
Clean power for all

BPS3000

The Battery Pre-diagnosis System is an active energy storage safety protection system suitable for the power generation side, grid side and user side, which can monitor the health status of battery cells in real time. It accurately locates abnormal battery cell positions, identifies potential safety hazards in the power plant in advance, and provides expert maintenance suggestions, making operation and maintenance more efficient and convenient



SAFE AND RELIABLE

- Real-time alarm of battery cells, comprehensive health monitoring at battery cell level
- Three-level fault early warning, identifying safety hazards 7 days in advance

ECONOMICAL AND VALUE-PRESERVING

- Intelligent identification of faulty battery cells for timely maintenance, improving available system capacity

EFFICIENT AND CONVENIENT

- Health diagnosis of energy storage power plants, one-click operation and rapid generation of examination reports
- Accurately locate abnormal cells, support online traceability and expert maintenance recommendations for higher O&M efficiency

Type designation	BPS3000
System	
Configuration	Rack servers, Switch, UPS (Optional), Firewall (Optional)
Key Functions	Health Diagnosis (Voltage Consistency Evaluation, Temperature Consistency Evaluation Capacity Consistency Evaluation, Internal Resistance Analysis, Type I Abnormal Depletion Fault Analysis, etc) , Security warning (Voltage Inconsistency Pre-alarm, Type I Abnormal Depletion Pre-alarm, Type II Abnormal Depletion Pre-alarm) ,Online Cell Analysis, Intelligent Maintenance Suggestions
Power supply	
AC input	100 Vac - 240 Vac , 50 Hz / 60 Hz
Power consumption	1700 W
Ambient parameters	
Operating temperature range	10 ℃ ~ 30 ℃
Operating humidity range	10 % ~ 90 % (non-condensing)
Operating altitude	≤ 4000 m
Protection class	IP20
Communication	
Communication medium	Optical fiber / Ethernet
Networking method	Bus type/ Star type/ Ring type
Communication protocol	IEC60870-5-104
Cabinet	
Dimensions (W * H * D)	800 mm * 2260 mm * 1000 mm

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