

ISO9001 ISO14001 GB/T45001



Hi-SURP

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NINGBO HICON INDUSTRY CO.,LTD. NATIONAL HI-TECH ENTERPRISE

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2025.05A

- ★ 惠康实业保留变更产品设计恕不预先通知的权力
- ★ Hicon Industry reserves the right to change the product design without prior notice.
- ★ 具体产品性能由双方在合同中约定, 本样本仅供参考
- ★ Specific product performance shall be agreed by both parties in the contract, this sample is for reference only.
- ★ 本公司产品由中国太平洋财产保险股份有限公司承担产品责任险
- ★ Product liability insurance for the company's products are covered by China Pacific Property Insurance Co., Ltd.



电池恒温机组 Battery Constant Temperature Unit



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世界品质 浙江制造



节能低耗 智能管理

Energy-saving and Low-consumption
Intelligent Management

车载电池恒温机组是专为电动汽车、新能源商用车及特种车辆设计的电池热管理系统，通过智能调控电池温度，确保其在最佳工作区间（通常为18~40℃）运行。核心功能包括电池冷却、加热、温度一致性控制，以延长电池寿命、提升充放电效率及安全性。

液冷技术的使用，散热性能远高于风冷，恒温控制使储能设备保持在一个合适的温度，各组件运转效率得到较大发挥。

The on-board battery constant temperature unit is a battery thermal management system specially designed for electric vehicles, new energy commercial vehicles and special vehicles. By intelligently regulating the battery temperature, it ensures that the battery operates within the optimal working range (usually 18 to 40℃). The core functions include battery cooling, heating, and temperature consistency control to extend battery life, enhance charging and discharging efficiency, and improve safety.

The application of liquid cooling technology has a much higher heat dissipation performance than air cooling. Constant temperature control keeps the energy storage equipment at an appropriate temperature, and the operational efficiency of each component is maximized.

技术优势 Technical Advantages

双模智能
节能50%

Dual-mode Intelligent
50% energy saving

智能温控
恒温18~40℃

Intelligent temperature control
Constant temperature: 18~40℃

长效寿命
40000小时

Long lifespan
40000 h

机组参数 Unit Parameters

型号 Model	HEC-30VT	
制冷量 (W) Cooling Capacity (W)	3000	
电源 Power Supply	主回路 Main Circuit	400 - 750VDC
	控制回路 Control Circuit	24VDC
功率 (W) Power (W)	1800	
重量 (KG) Weight (KG)	50	
长X宽X高 (mm) L x W x H (mm)	650 x 528.5 x 367.5	
制冷剂 Coolant	R134a	
水泵扬程 (米) Water Pump Head (m)	10	
压缩机排量 (CC) Compressor Exhaust Volume (CC)	27CC	