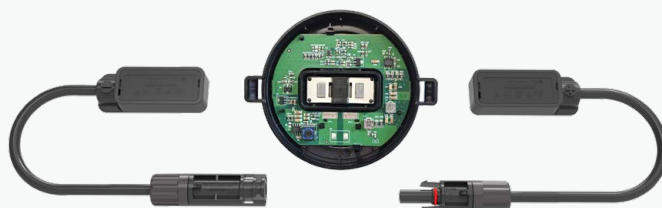


智能物联网安全监控型 AI 光伏接线盒 (哨兵 007)

Smart IoT Safety Monitoring AI PV Junction Box (Vanguard007)



3Qxy-OM

高精度监测 · 数字孪生与映射 · 会思考的接线盒

High-Precision Monitoring · Digital Twin & Mapping · Intelligent Junction Box

高效 High Efficiency

- ◎ 实时监测组件电压、电流、温度数据
Real-time monitoring of module voltage, current, and temperature data
- ◎ 支持 AI 预测组件性能和运维
Support for AI to predict module performance and operations
- ◎ 支持大数据追踪和模型训练
Supports big data tracking and model training



便捷 Convenience

- ◎ 易于组装和维护
Easy assembly and maintenance
- ◎ 支持组件出厂预装 (SOMJ)
Support for factory pre-installed PV modules (Snap-on mounting jig)

3Q OM

输入 Input(DC)

输入电压范围 Input Operating Voltage Range	12~80V DC
---	-----------

监测精度 Monitoring Accuracy

电压测量范围 Voltage Measurement Range	12~80V DC
电流测量范围 Current Measurement Range	0~30A DC
电压检测精度 Voltage Detection Accuracy	±0.2V DC
电流检测精度 Current Detection Accuracy	±0.1A DC
温度检测精度 Temperature Detection Accuracy	±2°C

通用数据 General Data

通讯方式 Communication Method	PLC
通讯距离 Communication Distance	1600m
数据周期 Data Cycle	1s (customize)
连接器 Connector	QC4.10 /MC4
重量 (包括电缆) Weight(including cables)	375g
尺寸 (直径 x 高度) Dimensions(D x H)	ø87 x 18 mm
工作温度范围 Operating Temperature Range	-40°C~ 85°C
安规 Standard(s) For Safety	IEC62109; EN 61000-6-1/3
海拔高度 Altitude	5000 m
防护等级 Protection Rating	IP68
防火等级 Rating Degree	5VA

智能光伏组件安装示意图 Installation Diagram of Intelligent PV Modules

