

Smarttrack03-plus 组件级优化器

Smarttrack03-plus PV Module-level Power Optimizer

Smarttrack03 -plus 提供组件级的优化方案，提供更优的组件设计安装灵活性。

Smarttrack03-plus offers the PV module-level optimization and better flexibility of system design and installation.



安全 Safety

- ◎ 组件级关断
- ◎ 有效降低组件热斑情形
- ◎ 降低光伏组件使用寿命内的性能失配
- ◎ Module-level rapid shutdown
- ◎ Effectively reduces the hot-spot of PV module
- ◎ Mitigates the mismatch loss of PV module in its service life

高效 High Efficiency

- ◎ 20A 规格，可适配多种组件
- ◎ 适应复杂多变的安装场景
- ◎ 99.5% 最大追踪效率
- ◎ Supports 20A current specification
- ◎ Designed to work in the complex and changeable installation sites
- ◎ Maximum efficiency (99.5%)

便捷 Convenience

- ◎ 卡扣式设计，坚固可靠
- ◎ 易于拆装维护
- ◎ Clip-type design, Reliable fastening
- ◎ Easy disassembly and maintenance

智能运行与维护 Smart O&M

- ◎ 智能优化 & 监控
- ◎ Module-level Visibility and Refined Management

Smarttrack03-plus 组件优化器规格书 / Optimizer Specification

Smarttrack03-plus 优化接线盒 /MPPT

输入 Input(DC)

最大输入电压 Maximum Input Voltage	80 V DC
工作电压范围 MPPT Operating Range	12~80V DC
最大输入电流 Maximum Input Current	20A DC
最大功率 Maximum Rated Input DC Power	700W

输出 Output(DC)

最大输出电压 Maximum Output Voltage	80V DC
最大输出电流 Maximum Output Current	20A DC
输出关断电压 Output Shutdown Voltage	1.0V DC
过流保护 Overcurrent Protection	22A DC

效率 Efficiency

峰值效率 Maximum Efficiency	99.5%
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保护 Protection

过温保护 Over Temperature Protection	Yes
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通讯 Communication

通讯方式 Communication	PLC
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常规参数 General Data

直流端子 DC Input Connector	QC4.10 /MC4
重量 (包括电缆) Weight(including cables)	540 g
线缆外径 OD Of Wire	6.1mm
尺寸 (宽 x 长 x 高) Dimensions(W x L x H)	107.3x126.9x24 mm
输入线长 Input Wire Length	0.5 m & customize
输出线长 Output Wire Length	1 m & customize
温度范围 Operating Temperature Range	-40°C~ 85°C
安规 Standard(s) For Safety	IEC62109-1
电磁兼容 EMC	IEC61000-6-2, IEC61000-6-3
防护等级 Protection Rating	IP68