



Transmitter Datasheet

HT10-Kit

Description

Hoymiles Transmitter HT10-Kit is part of Hoymiles Rapid Shutdown solution and works with HRSD for module-level rapid shutdown.

While powered on, the HT10-Kit uses PLC technology to continuously send a "permission to operate" signal to HRSD, enabling the PV system to start producing power. In case of emergency, the PV system would enter module-level rapid shutdown mode by simply disconnecting the AC power of Transmitter or using an external initiator.

Hoymiles Transmitter Outdoor Kit includes one Transmitter, single or dual Core, single- or three-phase power supply, and outdoor enclosure.

Features

- 01 Module-level rapid shutdown with Hoymiles HRSD
- 02 Achieves rapid shutdown through Transmitter power-off or external initiation
- 03 Equipped with single/dual Core
- 04 Complied with NEC 2017&NEC 2020 (690.12) and SunSpec RSD requirements
- 05 Weatherproof outdoor enclosure
- 06 Equipped with single- / three-phase power supply

Technical Specifications

Model	HT10-Kit								
Electrical									
Transmitter Input Voltage	12 VDC (+/-2%)								
Transmitter Input Current	1 A								
Input Voltage Range	85-264 VAC	180-550 VAC			180-550 VAC				
Communication Type	SunSpec PLC								
Core									
Number of Configure Core	1			1			2		
Max. Current per Core	75 A			150 A			150 A		
DC Cable Diameter	Φ 6 mm	Φ 6.45 mm	Φ 7 mm	Φ 6 mm	Φ 6.45 mm	Φ 7 mm	Φ 6 mm	Φ 6.45 mm	Φ 7 mm
Max. Number of Strings per Core ¹	5	4	3	15	12	10	15	12	10
Mechanical									
Dimensions	93 x 36.5 x 53 mm (3.66 x 1.44 x 2.09 inch)								
Mounting Type	DIN35 Rail								
Environmental									
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F)								
Outdoor Rating	IP30 / NEMA1								
Compliance									
Safety	UL1741, CSA C22.2 No. 330-17								
EMC	FCC Part15 Class B, ICES-003								

*1: The maximum number of strings per Core is determined by the DC cable current and diameter. The total current should not exceed the Core's maximum allowed current, and the total cable diameter should not exceed the Core's diameter. If the actual cable diameter exceeds the reference diameter, the maximum number of strings per Core will be reduced accordingly.

