Transmitter Datasheet

HT10

Description

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

While powered on, the HT10 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.

Features

01 Complied with NEC 2017&NEC 2020 690.12 requirements

02 Complied with SunSpec RSD requirements

03 Equipped with single/dual Core

04 Achieves rapid shutdown through Transmitter power-off or external initiation

© 2023 Hoymiles Power Electronics Inc. All rights reserved.
hoymiles.com
sales@hoymiles.com

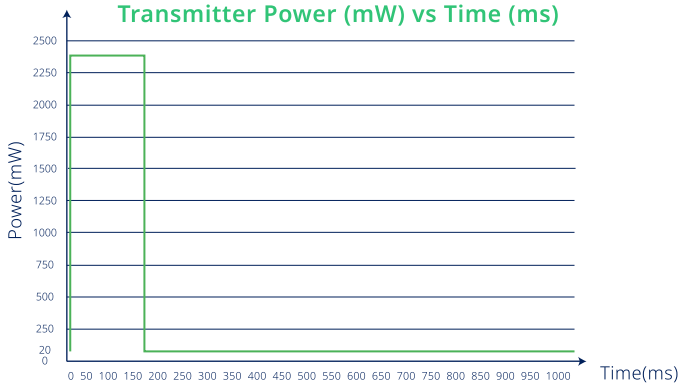
Technical Specifications

Model	HT10								
Electrical									
Transmitter Input Voltage	12 VDC (+/-2%)								
Transmitter Input Current	1 A								
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								

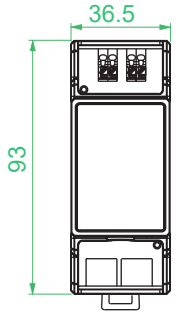
*1: The maximum number of strings per Core is determined by the DC cable current and diameter. The total current should not exceed the Core's maximum allowed current, and the total cable diameter should not exceed the Core's diameter. If the actual cable diameter exceeds the reference diameter, the maximum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

When installed inside an inverter, HT10 needs to be powered with the following power curve at least.

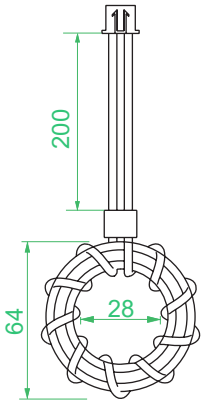
- Voltage: 12 VDC (+/-2%)
- Power Standby: 0.2 W
- Duty Cycle: 16%
- Max. Power: 3W



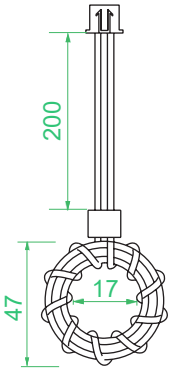
Unit : mm



Transmitter



Core-150A



Core-75A

© 2023 Hoymiles Power Electronics Inc. All rights reserved.