



Lightning Protection Unit

- Provides lightning protection for RET controller and RET components
- Lightning surge capability of 10 times at 600 A, 10/350 waveform
- Equipped with a grounding stud for added lightning protection
- Easily mounts to a pole or wall
- AISG and RoHS compliant

Electrical Specifications

Electrical Safety Standard	EN 60950 UL 60950
Electromagnetic Compatibility (EMC)	EN 55011 EN 61326-1 ETS 300 386 V1.3.2 2003
EU Certification	CB CE Low Voltage Directive 73/23/EEC
Protocol	AISG 1.1 AISG 2.0
Interface Protocol Signal	Data dc
Circuit Insertion Resistance, Power Lines, maximum	0.5 ohm
Circuit Insertion Resistance, Signal Lines, maximum	1.0 ohm
Overcurrent Protection Type	PTC fuse
Protected Side Clamping, +12V Nominal Voltage	+17 V to -0.6 V
Protected Side Clamping, +24 V Nominal Voltage	+28 V to -0.6 V
Protected Side Clamping, -48 V Nominal Voltage	+0.6 V to -58 V
Protected Side Clamping, RS-485 Nominal Voltage	±10 V

General Specifications

Includes	Band clamp Carriage bolts Hex nuts Lightning protection unit Lock washers Pipe mount bracket Wall mount brackets
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Mechanical Specifications

AISG Input Connector	8-pin DIN Male
AISG Input Connector Quantity	1
AISG Output Connector	8-pin DIN Female
AISG Output Connector Quantity	1
Color	Gray
Grounding Lug Thread Size	M8
Material Type	Aluminum Stainless steel
Lightning Surge Capability	10 times @ 600 A
Lightning Surge Capability Test Method	IEC 61312-1 Annex B Current Pulse Profile
Lightning Surge Capability Waveform	10/350 waveform

Environmental Specifications

Ingress Protection Test Method	IEC 60529:2001, IP65
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ATLP200-001

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Rain Simulation Test Method	IEC 60068-2-18, Test Condition Ra, Method 1
Relative Humidity	Up to 100%
UV Resistance Test Method	IEC 60068-2-5, Test Condition B

Dimensions

Width	185.4 mm 7.3 in
Depth	157.5 mm 6.2 in
Height	50.80 mm 2.00 in
Net Weight	1.0 kg 2.1 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014

Classification

Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)

