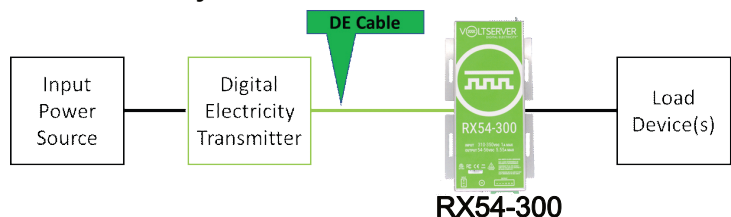


The RX54-300 Receiver is a component in a Digital Electricity™ line powering system. When paired with a VoltServer transmitter unit, a Digital Electricity™ (DE) system is formed (see diagram). If a fault occurs within the DE wiring (such as a person touching the wires), power is disconnected; preventing fire, equipment damage and personal injury. The RX54-300 is a listed product, certified to safety and EMC standards by a **Nationally Recognized Test Laboratory**.



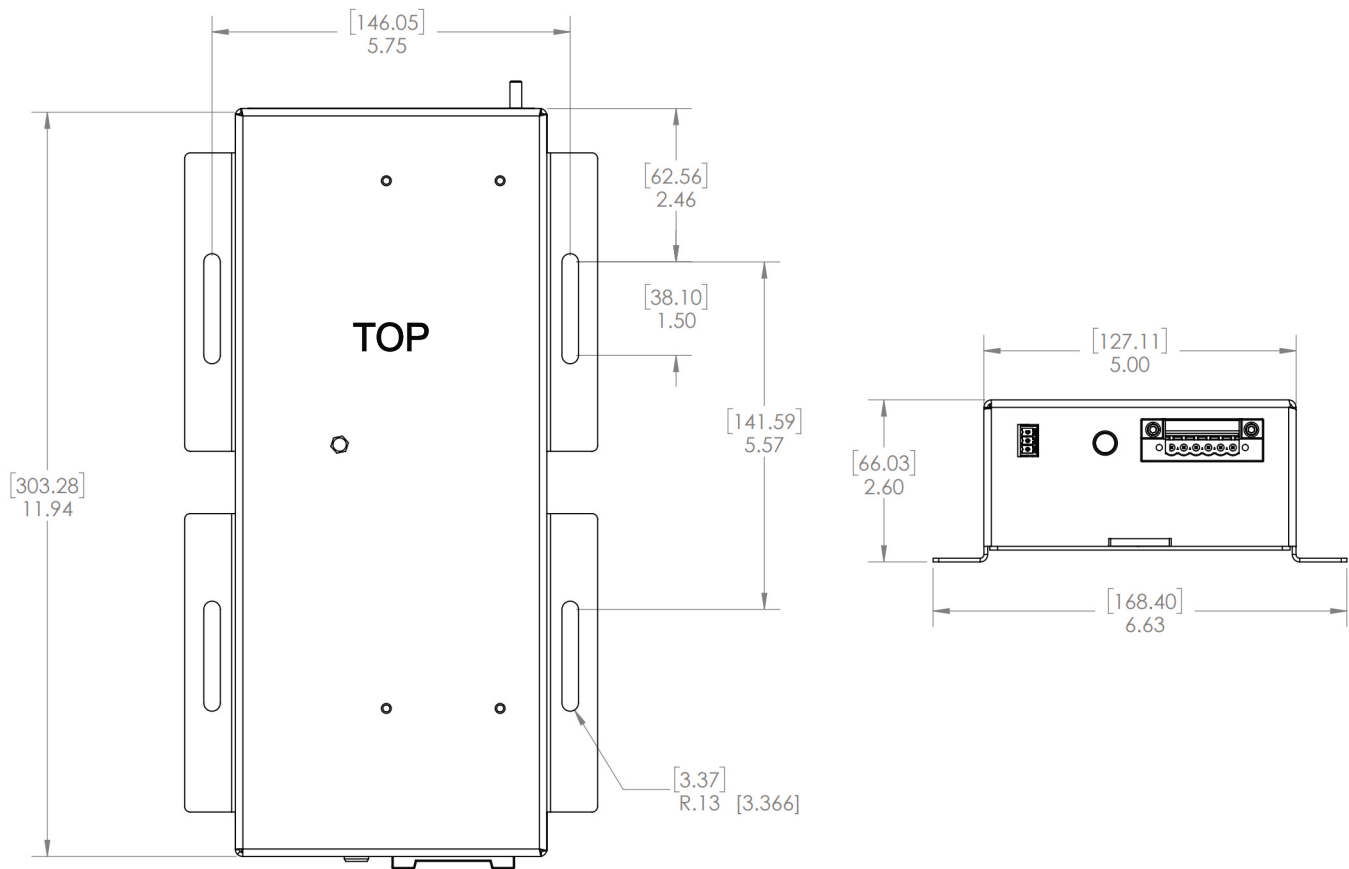
RX54-300 Receiver

Digital Electricity™ is a **Limited Power Source** per IEC/UL/CAN 62368-1 suitable for supplying a **Class 2 circuit** under **NEC Art. 725** and **CEC Rule 16-200** (NOTE: Always follow local codes).

Specifications

TYPE	PARAMETER	SPECIFICATION	NOTES
Input	Voltage	310-350VDC (336VDC Nominal)	Must be supplied by VoltServer transmitter shelf
	Number of Channels	1	
Output	Current, Total	1A MAX	
	Voltage	54 - 56VDC	Fixed 55VDC Output
	Current	5.55A MAX	300W @ 55VDC
Environment	Output Wire Gauge	18AWG MIN	Output Connector Accepts 18-16AWG
	Operating Temperature	0°C (32°F) to 50°C (122°F)	Operation below 0°C (32°F) and above 50°C (122°F) is not recommended and not covered by warranty
	Altitude	Up to 2000m	
Mechanical	Dimensions	[See page 2]	
	Weight	2.96lbs	
Approvals	Safety	IEC 62368-1	
	EMC	EN 55032 (CISPR32) - Class A FCC Part 15 - Class A	
	Environmental	RoHS	
Box Contents	Hardware Kit	(1) Terminal Block Plug, 3 position, straight, 3.5mm pitch (MFN: 1952270) (1) Terminal Block Plug, 6 position, straight, 5mm pitch (MFN: 1910568) (1) 18-8 Stainless Steel Locknut with External-Tooth Lock Washer 10-32 Thread Size (1) Ring Terminal Connector #10 Stud Circular 10-12 AWG Crimp (MFN: 0190700123)	

Detailed Dimensions inches [mm]



Connection Diagrams

Top View



Bottom View

