

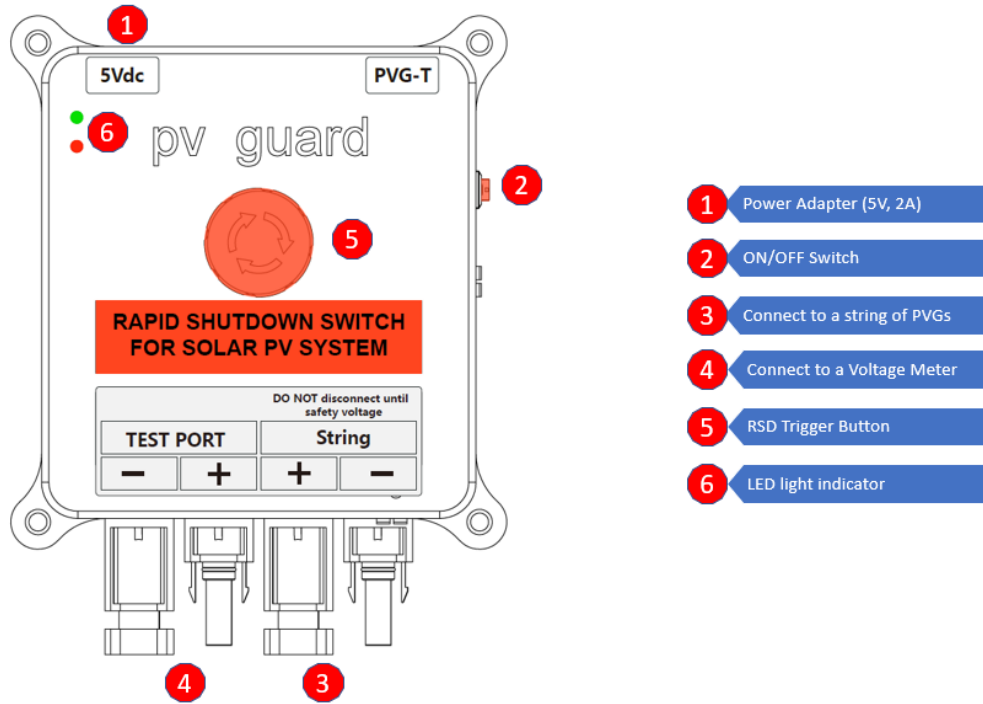
# Using PVG-T for Troubleshooting

Application Note: PVG-20240727  
Version: 1.0

## 1 Executive Summary

PVG-T is a handy tool designed for troubleshooting a PVG solar system installation. It has a built-in battery so that it can be used before an inverter has been installed and even before there is AC connection on site. It can turn on or turn off each string of PVGs or individual PVGs.

## 2 Specification



PVG-T		PVG Installation Tool
INPUT (DC)	DC Input	5V, 2Adc
SYSTEM	Maximum System Voltage (Vdc)	1500
	Communications	DC Power Line
PROTECTION	Protection Degree	NEMA-1
	Ambient Temperature	-20C——+85C
	Product Safety Compliance	UL 1741 CSA C22.2 No. 107.1 NEC 2020 690.12 Canada CEC 2015 64-218

### 3 Usage

**Note:** PVG-T can only be used at daytime and for PVGs that have been connected to solar panels.

Step-1: Fully charge the PVG-T before arriving a site. Each PVG-T has a built-in re-chargeable battery that can hold for at least one day of work on site.

Step-2: Connect the homerun of one string of PVGs or a single PVG to the MC4 input connector ③

Step-3: Turn on the power switch ②.

Step-4: Check the voltage at MC4 connectors ④. If the RSD button ⑤ is *pushed*, the voltage at ④ should be *safety voltage*. If the RSD button ⑤ is *released*, the voltage at ④ should be *full string voltage*.

LED light ⑥ indicator

	Red Light	Green Light
Charging	ON	OFF
	OFF (fully charged)	ON (fully charged)
TEST (RSD button ⑤ pushed)	OFF	Flash
TEST (RSD button ⑤ released)	Flash	OFF