


Resolve PID & achieve higher ROI

Omron & Ilumen's Mini PID box



81%
Regeneration



When PV panels are exposed to a negative voltage to ground, Potential Induced Degradation (PID) can occur and reduce energy generation. In partnership with iLumen, we deliver a retrofit solution to eliminate PID directly in the field, with keeping PV modules in place.

Effectively protect your investment or increase your return with the Mini PID Box

Pick up the phone or email for a quote!

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- Proven solution tested by TUV Rheinland
- Improvement in affected panels within 5 days
- Compatible with all brands of inverters and string sizes
- Suitable for small and medium scale solar systems
- Plug and play
- Indoor and outdoor models available

Technical data

Omron & Ilumen's Mini PID Box indoor (ID) and outdoor (OD)

PV array / inverter input	PV-PID-MINI-ID	PV-PID-MINI-OD
Input PV voltage range	80 - 1000 V	80 - 1000 V
Output voltage to ground	Up to 1250 V	Up to 1250 V
Maximum PV current	20 A	20 A
Maximum output current in operation	5 mA	5 mA

GRID (AC)

Nominal AC voltage	100 to 240 V	100 to 240 V
Nominal AC grid frequency	47 to 63 Hz	47 to 63 Hz
Power consumption in standby operation	< 0.2 W	< 0.2 W
Typical power consumption in operation	8 W	8 W
Maximum power consumption	15 W	15 W

General data

Dimensions (W x D x H)	270 x 200 x 75 mm	270 x 200 x 75 mm
Weight	1.100 g	1.100 g
Operating temperature range	-25 to 60 °C (-13 to 140 °F)	-25 to 60 °C (-13 to 140 °F)
Environmental conditions	indoor use	IP65 - indoor / outdoor use
PV connectors	MC4 compatible	MC4 compatible

Configuration

One ILUMEN PID BOX MINI per 2 MPPTs

Maximum one MPPT per input (A/B)

None of the connected solar module poles may become grounded on the PV side, grounding on the inverter side is possible

18 VDC power supplier included

Various

Warranty	Standard 2 years
Certificates	CE Declaration, EMC: EN 61000-6-3:2007, EN 61000-6-2:2005, LVD: EN50178:1997

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