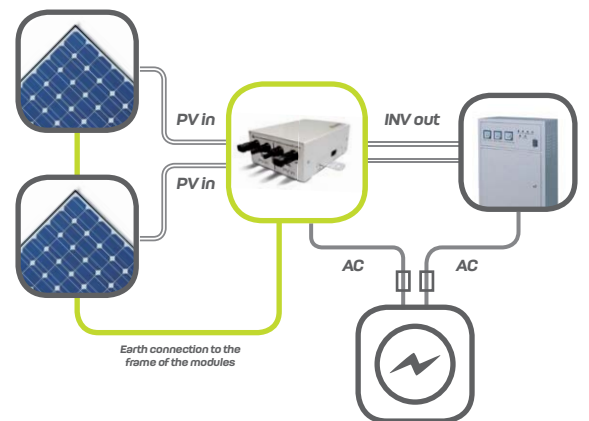
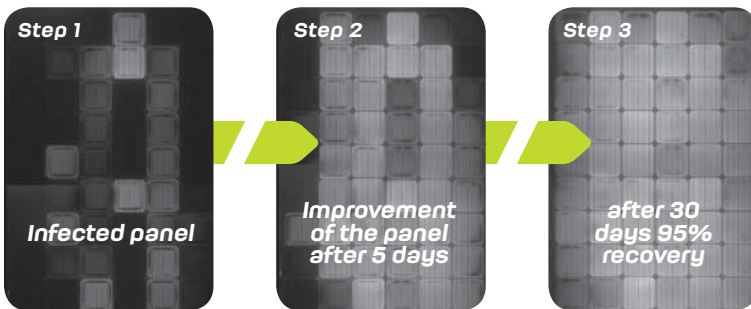
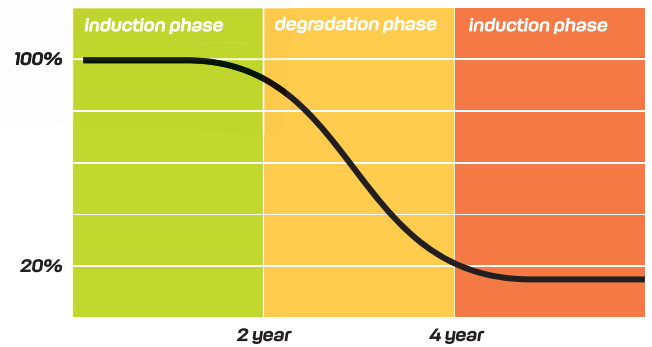




- Easy to implement
- Regenerates panels affected with PID
- Compatible with all inverters and string sizes
- The best solution for small and medium scale solar systems

### What is PID?

PID or Potential Induced Degradation is a problem that occurs on many photovoltaic panels when they are exposed to a negative voltage to ground. The iLumen PID solution can regenerate panels affected with PID and prevent PID from happening. This without affecting the inverter and any loss of yield. The solution is easy to implement and compatible with all inverters and string sizes, it's the ideal solution for small to medium scale projects..



<b>Technical data</b>	<b>ILUMEN PID BOX MINI</b>
<b>PV array / inverter input</b>	
Input PV voltage range	80 - 1000 V
Output voltage to ground	Up to 1250 V
Maximum PV current	20 A (25A on demand)
Maximum output current in operation	5 mA
<b>GRID (AC)</b>	
Nominal AC voltage	100 to 240 V
Nominal AC grid frequency	47 to 63 Hz
Power consumption in standby operation	< 0.2 W
Typical power consumption in operation	8 W
Maximum power consumption	15 W
<b>General data</b>	
Dimensions (W x D x H)	270 x 200 x 75 mm
Weight	1.100 g
Operating temperature range	-25 to 60 °C (-13 to 140 °F)
PV connectors	MC4 compatible
<b>Configuration</b>	
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	
1 screw connection for grounding the frames of the PV modules	
<b>Solar cell technology</b>	
This product will function with p-type solar cells. If you want to apply this product to another technology, please contact iLumen	
<b>Various</b>	
Warranty	Up to 20 years
Certificates	<a href="http://www.ilumen.be">www.ilumen.be</a>



### EC DECLARATION OF CONFORMITY

With the guidelines of the European \* **Electromagnetic Compability (EMC) 2004/108/EC**  
\* **Low-voltage directive (LVD) 2006/95/EC**

The devices listed below have been developed, designed and manufactured in accordance with the above mentioned EC directives. The applied harmonized standards are shown in the following table.

	ilumen PID box mini	ilumen PID box utility
<b>electromagnetic Interference</b>		
EN 61000-6-3:2007	✓	✓
<b>Immunity to interference</b>		
EN 61000-6-2:2005	✓	✓
<b>Device safety (LVD)</b>		
EN 50178:1997	✓	✓

For general terms and conditions go to [www.ilumen.be](http://www.ilumen.be)