

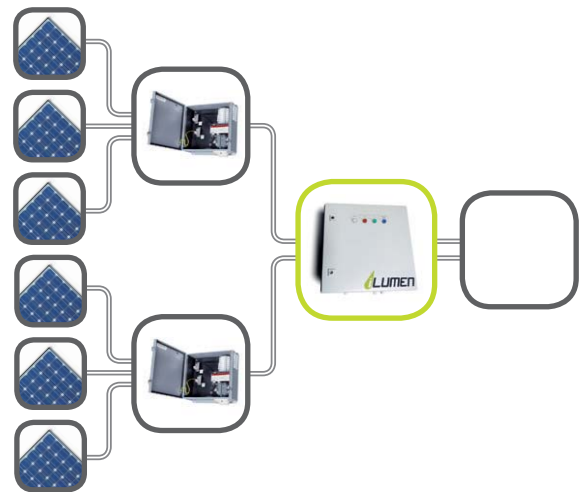
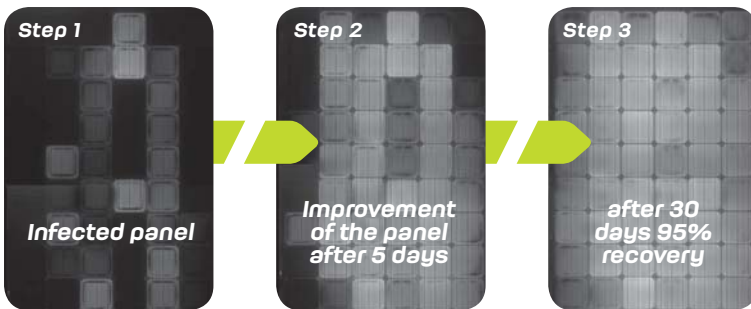
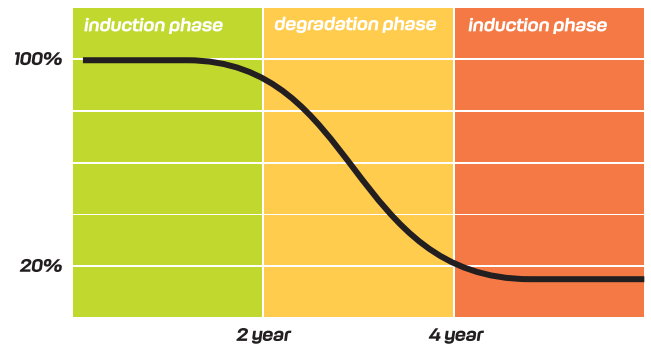


- Easy to implement*
- Regenerates panels affected with PID*
- Compatible with all inverters and string sizes*
- The best solution for Central inverters*

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 large scale projects.

The Ilumen PID Box Utility can have integrated GPRS communication (to www.myilumen.be) so we can control the solution without going on site.



Technical data	ILUMEN PID BOX UTILITY
PV array / inverter input	
Input PV voltage range	80 - 1000 V
Output voltage to ground	Up to 1250 V
Maximum PV current / input	
V160	160 A
V200	200 A
V320	320 A
V400	400 A
V500	500 A
V800	800 A
Number of independent DC inputs	1 or 2 (specify when ordering)
Maximum output current in operation	20 mA
GRID (AC)	
Nominal AC voltage	110 to 130 V or 220 to 250 V
Nominal AC grid frequency	50 to 60 Hz
Power consumption in standby operation	< 10 W
Typical power consumption in operation	50 W
Maximum power consumption	80 W
General data	
Dimensions IP44 (W x D x H)	800 x 400 x 1000 mm
Dimensions IP65 (W x D x H)	1000x400x1000 mm
Dimensions IP44 (W x D x H) model V800	1250 x 1250 x 420 mm
Dimensions IP65 (W x D x H) model V800	1200 x 1000 x 400 mm
Weight	95 kg
Operating temperature range	-25 to 60 °C (-13 to 140 °F)
Environmental conditions	IP44 indoor use only IP65 outdoor use (specify when ordering)
Configuration	Maximum one MPPT per DC-input
None of the connected solar module poles may become grounded on the PV side, grounding on the inverter side is possible	
Solar cell technology	
This product will function with p-type solar cells. If you want to apply this product to another technology, please contact iLumen	
Various	
Warranty	Up to 20 years
Certificates	www.ilumen.be
Registration before use	www.myilumen.be



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
electromagnetic Interference		
EN 61000-6-3:2007	✓	✓
Immunity to interference		
EN 61000-6-2:2005	✓	✓
Device safety (LVD)		
EN 50178:1997	✓	✓

For general terms and conditions go to www.ilumen.be