
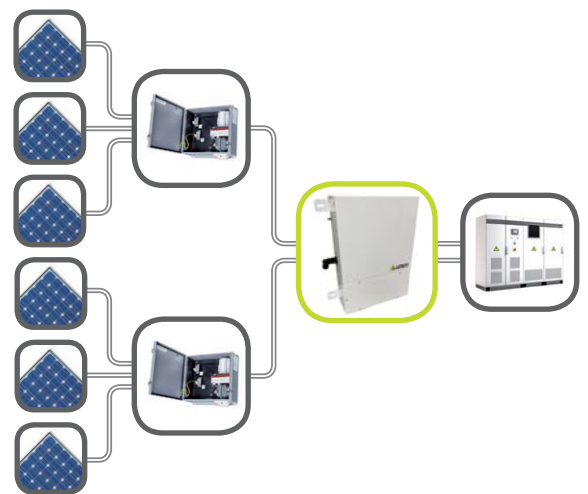
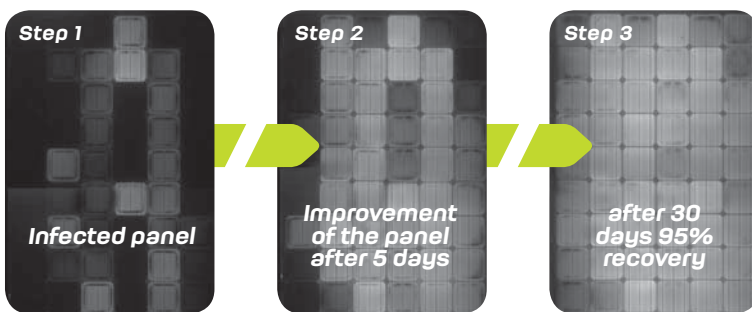
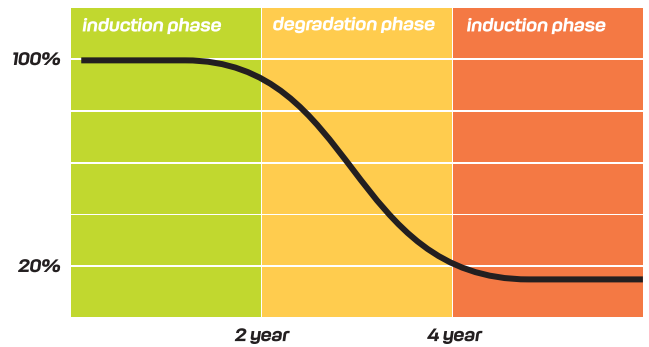




-  *Easy to implement*
-  *Regenerates panels affected with PID*
-  *Compatible with all inverters and string sizes*
-  *The best solution for Central inverters*

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.



Technical data		ILUMEN PID BOX
PV array / inverter input		
Input PV voltage range	80 - 1000 V	
Output voltage to ground		
Up to 1250 V		
Maximum PV current / input		
V75	75 A	
V100	100 A	
V125	125 A	
V150	150 A	
V200	200 A	
V250	250 A	
V300	300 A	
V350	350 A	
Number of independent DC inputs	1	
Maximum output current in operation	16 mA	
GRID (AC)		
Nominal AC voltage	110 to 130 V or 220 to 250 V (specify when ordering)	
Nominal AC grid frequency	50 to 60 Hz	
Power consumption in standby operation	8 W	
Typical power consumption in operation	20 W (+/- 0,3kWh/day)	
Maximum power consumption	25 W	
Inrush power	80 W (75ms)	
General data		
Dimensions (W x D x H)	520 x 140 x 550 mm	
Weight	16 kg	
Operating temperature range	-25 to 60 °C (-13 to 140 °F)	
Environmental conditions	IP65 indoor use/outdoor use	
Configuration		
one 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	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