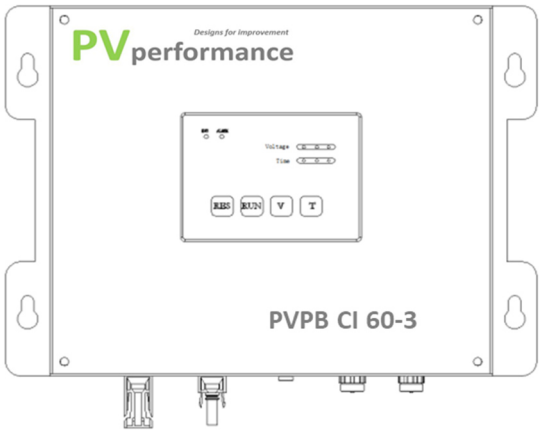
Photovoltaic systems are affected by decreasing yields already in the first few days - weeks of operation. This yield reduction occurs due to the light-induced degradation (LID) in photovoltaic modules.
In addition, the module performance can continue to decrease by up to 1% per year through various aging processes.

Unfortunately, these degradations are not the only causes for the reduction in the performance of PV-systems or solar modules. Further polarization effects in N-type solar cells/PV modules, as well as Potential Induced Degradation (PID)/ High Voltage Stress (HVS), on P-type solar cells/PV modules can significantly reduce the module performance and thus the system yields.
Since the PID/HVS degradation is a reversible effect, a regeneration of the affected PV modules is possible and thus an increase of the yield of the PV installation.

According to the IEC 62804 standard, PID losses of 5% are tolerated. The Power Booster protect the PV installation against this underperformance.

Calculate now, free of charge and without obligation, the yield increase potential of your PV system with the PV Power Booster:
www.pv-performance.com



PV Power Booster: As soon as the String Voltage drops down below the adjusted switch-ON Threshold value, the PV Power Booster will set the entire Modules/PV-System on a high Positive Potential against ground. The accumulated PID/HVS degradation during operation of the PV Modules will be recovered in this way.

- **Easy implementation and retrofit in PV systems**
- **Quick recovery of PID/HVS**
- **Immediate PID/HVS protection**

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PV performance
Designs for improvement

PVPB CI 60-1
PVPB SI 30-3
PV Power Booster

Technical Data

PV Power Booster		PVPB CI 60-3	PVPB SI 30-3
General Data	No. of Inverters Connecting with	3	3
	Operating Temperature(℃)	-25～65	
	Operating Humidity(%RH)	≤95	
	Dimension(mm)	360*260*105	
	Weight(kg)	≤6.0	
	Certification	CE	
	Altitude(m)	≤4000	
Control Method	Control method	Clock/Module voltage	
	Display	LED	
	Operating	Button	
DC Output	Voltage (V)	400～1000	
	Voltage Resolution(V)	1	
	Rated current at 600V (mA)	60	30
	Rated power at 600V (W)	36	18
	SuggestedInsulating Resistance (KΩ)	≥17	≥34
AC Input	Voltage (V)	100～240	
	Frequency (Hz)	50/60	
	Ground Cable	No demand	
Module Voltage Inspection	Range (V)	0～1000	
	Resolution (V)	1	
Protection EN60529	IP class	IP65	
Monitoring	Communication (Optional)	RS-485	

* requirements of inverter manufacturer must be considered.