



PID KILLER

SUCCESS STORIES

Northern Germany

Data & facts

- PV-Plant:
- Plant size: 12 MW (different modules)
 - Inverter: String inverters
 - Modules: 235W / polycrystalline
- Test set up:
- 6x String inverters
 - 6x **PADCON Float Controller SI**
 - Inspected modules: 235W
- Test period:
11.08.2015 - 30.09.2015

Test set up:

An Electroluminescence (EL) test organized by the customer brought certainty that a major part of the modules is influenced by PID. To be able to evaluate the recovery process measurements have been performed with 8 string packages beforehand. Because the plant is equipped with string inverters PADCON Float Controller SI for String Inverters have been installed.

The Float Controller SI is designed for the specific use with String Inverters and is able to supply up to 3 MPPT's with a total of max. 110 kW. After a test period of 50 days the comparison measurements show astonishing improvements of up to 12,7% of the output of the string packages.



Improving module power output by 12,7%

The graphic demonstrates the recovery process based on the output of the string package:

String / String package	Before	After
1	4858,5 W	5295,2 W
2	4725,7 W	5257,1 W
3	4954,7 W	5461,7 W
4	5257,6 W	5425,7 W
5	4810,5 W	5424,5 W
6	5353,2 W	5385,9 W
7	4919,4 W	5412,1 W
8	5141,6 W	5540,9 W

