PID KILLER
SUCCESS STORIES

Israel

Data & facts

PV-Plant:
- Plant size: 3,0 MW
- Inverter: Central inverter / 5 DC Input / 5 MMPT
- Modules: 245W / polycristalline

Test set up:
- 1x Central inverter
- 1x **PADCON Float Controller CI Basis**
- 1x **PADCON Multi Connector**

Test period:
13.01.2015 - 23.02.2015

Test set up:

First, we equipped only a part of the plant with **PADCON Float Controller**, for testing purposes.
Since the inverter has 5 individual performance parts, we installed addition to the **PADCON Float Controller CI**, a **Multi Connector**, to supply all the power units / MPPT.
In addition to the comparison measurements at each string package, we observed the recovery development of the photovoltaic plant on the monitoring system. Through connecting the **Float Controller** with the monitoring system, we could easily supervised the individual parameters and the operation of the device. In this test installation, is in addition to the enormous recovery rate, positive to watch, that the individual string packages returned within the test period to the same proficiency of performance (PR), although they were different affected with PID, too test launch.
Following the announcement of the test results, the entire system was equipped with **PADCON Float Controllers** and performed since then at a high level (> 83% PR)..

Improving module power output by 18,82%

The graphic demonstrates the recovery process based on the PR-performance:

String / String package	Before	After
1	67,36 %	84,11 %
2	64,36 %	83,18 %
3	67,68%	83,16 %
4	72,43 %	83,30 %
5	70,18 %	84,50 %