

Customer Application #5

Electronic Load with PV Module Recording Software

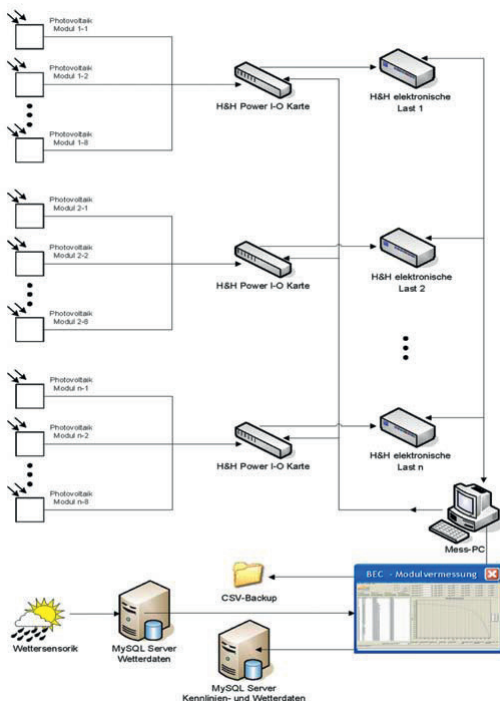
BEC-Engineering GmbH developed an ideal test system for measurement purposes and acquisition of characteristic curves of photovoltaic modules. The test system contains electronic loads from Höcherl & Hackl GmbH.

The ZS560-3 from H&H acts as a perfect solution for this purpose. This 500 W load is multifunctional applicable due to its switchable current ranges.

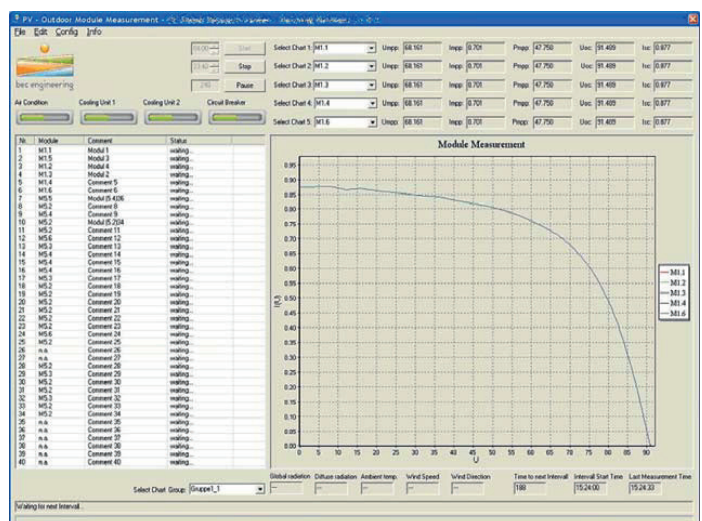
Characteristics can almost simultaneously be captured with multiple loads wired in parallel. That allows a comparison of power of photovoltaic modules even at fluctuating radiation. If the amount of modules which have to be measured exceeds the number of available electronic loads the channels can be expanded with the aid of Power I/O cards.

System Features

- Simple user-friendly handling
- Multifunctional operation scenarios
- Data acquisition in CSV format
- Error logging
- Application is configurable via a configuration file
- Visualisation of the last measured characteristics



Schematic full development of the system



This application report was produced
in association with BEC-Engineering

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www.hoecherl-hackl.com