

iPLON – PV Magic Box Standard : Part Nr : 18083

The iPLON Magic Box Standard is the interface between the PV plant (rooftop or Power plant) and the Energy Utility company. It is based on the Technical specifications of the German requirements of BDEW. The control of the PV plant is achieved by the active control of the Inverters used in the plant. The system can be used for new plants but also be integrated in existing Power plants

- iGate Datalogger (IEC 60870-5-101/104)
- Connectivity to Cloud based system and SLDCs with DSL, GPRS, VPN, RT, PLCC
- Firewall
- Scalable I/O System (limited I/Os)
- Supports Modbus , TCP/IP, LON,

Functions

- Interface between the RTU of the SLDC and the power plant
- Signal conditioning of the Power reduction and the reactive power factor correction of the plant
- Control configuration with the built in web user Interface
- Easy to use in new plants and existing plants
- Remote access for O&M activities
- Power factor correction at the grid connectivity point (HAT side)
- Logic to use with the direct seller of the energy (Direkt Vermarkter: this is the new standard in

Scope of delivery

- IP 65 Enclosure with all components built in.
- Support of IEC 60870-5-101/104, this can be customised for SLDC Scada systems
- Voltage and current inputs ; Energy meter /Modbus interfaces





Mechanical data

General	
Casing	IP 65
Enclosure Type	Hensel, Wall mounted;
Standards	Standard EN 50298
Dimensions H x W x D	300 x 600 x 155 mm
Gewicht	5,5 Kg

Environmental conditions

Temperature	-20°C bis + 55 °C
Relative Humidity	till 95 % non condensing
Mounting location	Indoor/ outdoor