

Plant Information for Project Engineering and Offer Preparation

We appreciate the completion of the questionnaire as much detailed as possible. The information provided will help us to prepare and submit an optimal offer for your PV plant monitoring and control system.

General Plant Information

Plant designation	<input type="text"/>	Installed DC power	<input type="text"/> [kWp]
Requested date of offer	<input type="text"/>	Prospective date of commissioning	<input type="text"/>
		<input type="checkbox"/> Plant already in operation (retrofit)	
Location of PV plant (address)	<input type="text"/>	Delivery address (if differing from location of PV plant)	<input type="text"/>
Technical contact person/project engineer	Name: <input type="text"/>	Invoicing address	<input type="text"/>
	Email: <input type="text"/>		
	Phone: <input type="text"/>		
Plant type	<input type="checkbox"/> Ground mounted <input type="checkbox"/> Roof-top <input type="checkbox"/> Tracking system	Planned mounting location for skylog/skycontrol	<input type="checkbox"/> Inverter-/Monitor.-Station(indoor) <input type="checkbox"/> Outdoor-housing necessary
Planned Internet connection	<input type="checkbox"/> DSL <input type="checkbox"/> LTE <input type="checkbox"/> UMTS <input type="checkbox"/> SatDSL	Distance btw. plant and grid connection point	<input type="checkbox"/> substation on PV site <input type="checkbox"/> up to 4 km <input type="checkbox"/> 4 until 30 km

Inverters (INV)

Manufacturer	<input type="text"/>	Type / designation	<input type="text"/>
No. of INV stations	<input type="text"/>	No. of INV in every station	<input type="text"/>
Inverter concept	<input type="checkbox"/> Central inverters	<input type="checkbox"/> String inverters	

Modules / DC Combiner Box / Zone monitoring

Manufacturer	<input type="text"/>	Module type	<input type="text"/>
Number of modules	<input type="text"/>	Module, rated power [W]	<input type="text"/>
Planned DC monitoring	<input type="checkbox"/> String monitoring (inside combiner)	<input type="checkbox"/> Zone monitoring	<input type="checkbox"/> Inverter monitoring
No. of strings connected to one inverter*	<input type="text"/>	No. of modules in series (string)	<input type="text"/>

*if each inverter has a varying amount of parallel strings, please provide amount of parallel strings for inverter (e.g. 170; 175; 180).



Energy Meters

Manufacturer Type, designation*

Planned location of installation inverter station Main/Meter station Transmission station/substation

Interface S0 RS485* (half duplex) * Please consult our compatibility list at www.skytron-energy.com

Requirements for monitoring system

Irradiation measurement according to skytron's recommendation desired amount: Pyranometer

Reference cell

Other requirements digital contacts for status notification (breaker, alarms) No. of contacts per data logger

Plant Control and Grid Stability Management

Grid operator

Active power control/reduction Active power reduction/curtailment (grid operator set point) Frequency control P(f)

Reactive power control (cos φ) Q/cos φ set points Characteristic:
e.g. cos φ (P), Q(U), cos φ (U), etc. Static value:

Interface to utility IEC 60870-5-101 Dry contacts (relay signals) DNP3

IEC 60870-5-104 Analog Signals (e.g. 4...20mA) others:

Other requirements

Please attach all available information concerning the grid operator's power plant control requirements such as:

- Grid connection code
- Grid connection approval
- other technical documents or specifications from the grid operator

Documents (please attach)

- Data sheet (modules, inverters)
- Circuit diagrams (DC-Layout, AC-Layout, Network-Layout,...)
- Plant layout plan

Comments

Please send the completed form to skytron[®] energy GmbH:

- by email to sales@skytron-energy.com
- by fax to +49 30 338 430 - 99

Thank you very much for your kind cooperation. Be assured that all information will be treated confidentially.