Photovoltaic panel inverter disassembly and assembly

How do I connect my inverter to a photovoltaic panel?

The electrical power and signals wiring from the inverter to the AC Grid and to the photovoltaic panel are connected through the Switch Boxas described in Fig.11 SB-01 - "DC Switch Box Layout" -using the access windows in pos "A" for the power cables and the windows in pos "D" for the signal cables.

What should I do if my PV module is broken?

Contact with module surfaces or frames may cause electric shock if the front glass is broken or the backsheet is torn. The PV module does not contain any serviceable parts. Do not attempt to repair any part of the module. Keep the junction box cover closed at all times. Do not disassemble a module or remove any module part.

Which direction should a photovoltaic module be installed?

When installing photovoltaic modules in the northern Hemisphere,the optimal installation direction of the module is to face south; When installing photovoltaic modules in the Southern Hemisphere,the optimal installation direction of the module is to face north. Serial connected PV modules should be installed in the same orientation and Angle.

How do I install a solar photovoltaic system?

Installing solar photovoltaic systems requires specialized skills and knowledge. Installation should only be performed by qualified personnel. Before installing a solar photovoltaic system, installers should familiarize themselves with its mechanical and electrical requirements.

How do I mount a PV module to a substructure?

MOUNTING INSTRUCTIONS PV modules can be mounted to the substructure using either corrosion-proof M8 bolts placed through the mounting holes on the rear of the module or specially designed module clamps. A clearance of at least 115mm(4.5in) (recommended) is provided between modules frame and the surface of the wall or roof.

What is a solar inverter?

Inverter - Converts DC power from the solar panel and battery to AC power. The system is a standalone system which is a system independent of the electricity grid,with the excess energy produced being stored in batteries to be used and managed by an inverter. The size of the PV system installed is 2000Wp.