

Roof-Top Solar Power Systems- Compliance Inspection Report**Form 1: System documentation check list**

Basic system information		
Customer Name	Contact No:	
Installation address:	e-mail:	
Rated system power (kW DC or kVA AC)	Project identification reference:	
Installation date:	Commissioning date:	
Inverter Manufacturer: Model: Quantity:	PV modules Manufacturer: Model: Quantity:	
System Designer information		
System designer, company	Contact person	
Postal address	Telephone number & e mail	
System Installer information		
System designer, company	Contact person	
Postal address	Telephone number & e mail	
Wiring Diagram		
Single Line Diagram	Detailed SLD provided	Yes <input type="checkbox"/> No <input type="checkbox"/>
Array Specifications	Module type(s) Total number of modules Number of strings Number of modules per string String connection to inverter	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
PV string information	Cable make & type Cable size OC protective device type OC protective device ratings Blocking diode type	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
Array electrical details	Main cable type Main cable Size Junction/combiner box location DC switch disconnecter location DC switch disconnecter rating OC protective device type OC protective device ratings Other protective circuitry	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
AC system	Isolator location Isolator type Isolator rating AC OC protective device type AC OC protective device ratings RCD location RCD type RCD rating	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
Earthing and over voltage protection	Earth cable size and type Lightning protection system Surge protection device location Surge protection type & rating	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
System Layout diagram	Details are Satisfactory	Yes <input type="checkbox"/> No <input type="checkbox"/>
Datasheets	Module data sheets Inverter data sheets Data sheets for other components	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
Mechanical design information	Data sheets of mounting system	Yes <input type="checkbox"/> No <input type="checkbox"/>
Emergency systems	Documentation	Yes <input type="checkbox"/> No <input type="checkbox"/>
Operation & maintenance information	Procedures for system operation Check list in case of system failure Emergency shutdown procedure Maintenance procedures Consideration for future works Warranty documentation	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
Test results and commissioning data	Testing & commissioning formats	Yes <input type="checkbox"/> No <input type="checkbox"/>

DETAIL INFORMATION			
Array Specifications			
1.	Make of the Modules	IEC 61215-1: 2016 IEC 61215-2 :2016	
2.	Module Type	IEC 61853-1 : 2011	
3.	Total Number of Modules		
4.	Number of Strings		
5.	Number of Modules per String		
PV String Information			
1.	Make & type of Cable	EN 50618 : 2014	
2.	Size of Cable		
3.	Make & Type of Overcurrent protection device		
4.	Voltage & Current rating of Overcurrent protection device		
5.	Make & Type of Blocking Diodes		
Array Electrical Details			
1.	Make & type of Main Cable	EN 50618 : 2014	
2.	Size of Main Cable		
3.	Make & type of Junction box/Combiner box		
4.	Make & type of DC Switch Disconnecter	IEC 60947-3 : 2015	
5.	Voltage & Current Rating of DC Switch Disconnecter		
6.	Make & Type of Overcurrent protection device		
7.	Voltage & Current rating of Overcurrent protection device		
8.	Make, Type & Rating of other protective circuitry		
9.	Make & Type of Array Overcurrent protection device		

Form 2: System details

AC System			
1.	Make & type of AC Isolator	IEC 60947-3 : 2015	
2.	Voltage & Current Rating of AC Isolator		
3.	Make & Type of Overcurrent protection device		
4.	Voltage & Current rating of Overcurrent protection		