PV array inspection report		☐ Initial verification ☐ Periodic verification		
Installation address	S	Reference		
		Date		
Circuits inspected		Inspector		
General	DC system has been designed, specified and installed to the	requirements of IEC 60364 and		
	The maximum PV array voltage is suitable for the location All system components and mounting structures have been s	selected and erected to		
Duetostion against	Roof fixing and cables entries are weatherproof			
Protection against electric shock	Protective measure provided by extra low voltage (SELV/PEL Protection by use of class II or equivalent insulation adopted PV string and array cables have been selected and erected so	on DC side		
Protection against	earth faults and short circuits. Typically achieved by the use of reinforced insulation (often termed "double insulated") Galvanic separation in place inside the inverter or on the AC	·		
the effects of insulation faults	Functional earthing of any DC conductor PV array Earth Insulation Resistance detection and alarm systems			
	requirements of IEC TS 62548:2013 PV array Earth Residual Current Monitoring detection and alarequirements of IEC TS 62548:2013	arm system is installed -to the		
Protection against overcurrent	Systems <u>without</u> string over current protective device I _{MOD_MAX_OCPR} (the module maximum series fuse rating) is greatly current	eater than the possible reverse		
	String cables are sized to accommodate the maximum combinations	ined fault current from parallel		
	Systems with string overcurrent protective device String overcurrent protective devices are fitted and correctly of IEC TS 62548:2013	specified to the requirements		
	Systems with array/sub array overcurrent protective device Overcurrent protective devices are fitted and correctly specifits 62548:2013	fied to the requirements of IEC		
	Systems where the inverter(s) can produce a DC back-feed in Any back-feed current is lower than both module maximum ampere rating.	-	П	
Earthing and bonding	Where the PV system includes functional earthing of one of the functional earth connection has been specified and insta			
arrangements	Where the PV system has direct connection to earth on the I A functional earth fault interrupter is provided to the require			
	Array frame bonding arrangements have been specified and of IEC TS 62548:2013 Where protective earthing or equipotential bonding conduct	•		
Duntantina anaimat	They are parallel to, and bounded with , the DC cables			
Protection against the effects of lightning and	To minimize voltages induced by lightning, the area of all wir small as possible. Measures are in place to protect long cables (e.g. screening of the screenin			
Selection and erection of	ction and PV modules are rated for the maximum possible DC system voltage.			
electrical equipment	pment DC system voltage and current as defined in IEC TS 62548:2013 Wiring systems have been selected and erected to withstand the expected external			
	influences such as wind, temperature, UV and solar radiation Means of isolation and disconnection have been provided fo sub-arrays to the requirements of IEC TS 62548:2013	r the PV array strings and PV		
	A DC switch disconnector is fitted to the DC side of the invertor TS 62548:2013 If blocking diodes are fitted, their reverse voltage rating is at	•		
	string in which they are fitted (IEC TS 62548:2013) Plug and socket connectors mated together are of the same	type and form of the same		
AC system	AC system A means of isolating the inverter has been provided on the AC side. All isolation and switching devices have been connected such that PV installation is wired			
	the "load" side and the public supply to the "source" side. Where a RCD is installed to the AC circuit feeding an inverter verified to ensure it has been selected according to the requirements.			
Labelling and identification	All circuits, protective devices, switches and terminals suitab of IEC 60364 and IEC TS 62548:2013	ly labelled to the requirements		
	All DC junction boxes (PV generator and PV array boxes) care active parts inside the boxes are fed from a PV array and market from the PV inverter and public supply.			
	Means of isolation on the AC side is clearly labelled. Dual supply warning labels are fitted at point of interconnect A single line wiring diagram is displayed on site.	tion.		
	Installer details are displayed on site. Shutdown procedures are displayed on site.			
	All signs and labels are suitably affixed and durable	:)		
I certify that the above filled particulars are true and correct				
Inspected by:				
1772	Signature Engineer registered at (CEB/LECO)	Date		
Name Plate Data of PV module Discount of the Control of the Con				
Picture: Inse	ert picture of name plate of PV module			
- In stallation	☐ Installation of PV modules			
	Picture: Insert picture of installed PV modules on roof top			
□ DC Junction Box □ Picture: Insert Picture of DC junction box with open cover				
Trectare. Insert rictare of De janetion box with open cover				
PV Module f	ixing Structure			
	ert picture which shows fixing arrangement of structure.			
Sealing of ro	of fixing points			
Picture: Insert picture which shows sealing condition of roof at structure mounting/cable entries				
DC Cable co	angement			
DC Cable arr	ert Picture which shows how DC cables are arrange on the roof			