Solar PV Inspection and Maintenance

Periodic inspection of a solar PV system: array condition, DC isolators, inverter, string readings and generation.

System

Customer name *	
Site name	
Site address	
Job reference	
Date of visit *	_____ / _____ / _____
Time on site	_____ : _____
Time off site	_____ : _____
System size (kWp) *	
Inverter make / model	
Number of strings	

Inspection

Item	Pass	Fail	N/A
Modules clean and undamaged *	☐	☐	☐
Mounting system secure *	☐	☐	☐
Cabling and connectors secure *	☐	☐	☐
DC isolators operate *	☐	☐	☐
AC isolator operates *	☐	☐	☐
Inverter display / no fault codes *	☐	☐	☐
Labelling present *	☐	☐	☐
Battery storage (if fitted) OK *	☐	☐	☐
Monitoring connected *	☐	☐	☐
Shading changes noted *	☐	☐	☐

String readings

String reference *	Open circuit voltage Voc (V)	Short circuit current Isc (A)	Insulation resistance (megohms)	Result *

String reference *	Open circuit voltage Voc (V)	Short circuit current Isc (A)	Insulation resistance (megohms)	Result *

Result

Generation meter reading (kWh)	
Recommendations	
Photo 1	*Attach photo or sketch*
Photo 2	*Attach photo or sketch*
Additional comments	
Engineer name *	
Engineer signature *	
Date signed *	_____ / _____ / _____
Customer name (print)	

Customer signature	

* Required