

Scope of O&M services for ground-mounted PV systems

We present our basic and premium packages as well as other additional services. Choose one of the packages or put together your own customised range of services.

	Included in the basic package	Included in the Premium package	Choose your individual service package
Monitoring			
Monitoring Portal Costs	\odot	\odot	
Monitoring Portal Account Management	\bigcirc	\odot	
Monitoring on workdays	\bigcirc	\odot	
Monitoring 365 days (including error detection & analysis)	\oslash	\odot	
Onboarding Costs of new Sites	\odot	\otimes	
Asset Management			
Technical Management support PV	\odot	\odot	
Site responsibility according to authorities	\odot	\odot	
Reporting according to standard templates		\odot	
Customer-specific evaluations		\odot	
Troubleshooting / Coordination of site interventions	\odot	\odot	
Management of Warranties		\odot	
Claim Management		\odot	
Contract Management			
Health und Safety			
Visual inspection of the safety guideline and risk assessment	\oslash	\bigotimes	
Visual inspection of the emergency plan	\odot	\odot	
Visual inspection of the logbook (if applicable)	\bigotimes	\odot	
Visual inspection HV switching logbook	\bigotimes	\odot	
Visual inspection of warning signs	\odot	\odot	
Visual inspection of first aid equipment (first aid kit)	\odot	\odot	
Visual inspection of passive safety installations	\odot	\odot	
Visual inspection of fire extinguishers	\odot	\odot	
Functional test of emergency lighting	\bigotimes	\odot	

Iqony Solar Energy Solutions GmbH | Scope of works 0&M | Ground-mounted PV systems



	Included in the basic package	Included in the Premium package	Choose your individual service package
Visual inspection of 20kV protective equipment (if necessary)	\oslash	\odot	
Inspection of the site	\odot	\odot	
Visual inspection of escape ways (etc.)	\odot	\odot	
Functional test of escape doors (if possible without alarm)	\odot	\odot	
General site condition			
Park inspection and general visual inspection	\odot	\odot	
Visual inspection of the perimeter / fence (if available)	\odot	\odot	
Checking the functionality of the security system	\odot	\odot	
Visual inspection of internal and external roads	\odot	\odot	
Visual inspection of technical buildings	\odot	\odot	
Visual inspection of site vegetation (if available)	\odot	\odot	
Visual inspection of drainage systems	\odot	\odot	
Visual inspection for shading	\odot	\odot	
Spare parts management	\odot	\odot	
Substructure and steel construction			
Visual inspection if damages are present	\odot	\odot	
Visual inspection of corrosion protection	\odot	\odot	
Check for stability	\odot	\odot	
Random check of nuts and bolts	\odot	\odot	
Visual inspection of the labeling of the rows / table	\odot	\odot	
Modules			
General condition (soiling, state of module frame, etc.)	\odot	\odot	
Damage (broken glass, discoloration, hot spots, etc.)	\odot	\odot	
Visual inspection for shading	\odot	\odot	
Visual inspection of cabling (edge protection, bending radius, etc.)	\odot	\odot	
Visual inspection of DC connectors	\odot	\odot	
Visual inspection of type labels	\odot	\odot	
Visual inspection for module grounding (if available)	\odot	\odot	
Tightness control of clamps, etc - random sample	\odot	\odot	
DC combiner boxes (if applicable)			
Visual inspection of IP standards	\odot	\odot	
Visual Inspection labeling	\bigotimes	\odot	



	Included in the basic package	Included in the Premium package	Choose your individual service package
Visual inspection of animal protection (sheep) (if available)	\oslash	\oslash	
Visual inspection of documentation	\odot	\odot	
Visual inspection of locks and sealing	\bigcirc	\odot	
Visual inspection of warning signs	\bigcirc	\odot	
Visual inspection of earthing	\bigcirc	\odot	
Visual inspection of protection of live parts	\bigcirc	\odot	
Visual inspection of interior (water ingress, insects, etc.)	\oslash	\odot	
Visual inspection of the strain relief and cable entry	\oslash	\odot	
Visual inspection of the fuse holders (if applicable)	\bigcirc	\odot	
Checking the fuses (continuity test for fuses)	\bigcirc	\odot	
Visual inspection of internal cabling	\oslash	\odot	
Visual inspection of the busbar (corrosion, discoloration)	\bigotimes	\odot	
Visual inspection of overcurrent protection/overvoltage devices	\bigotimes	\odot	
Visual inspection of emergency switches (if available)	\oslash	\odot	
Visual inspection of monitoring equipment (if available)	\oslash	\odot	
Cabling			
Visual inspection for damage (e.g. rodent bite)	\oslash	\odot	
Visual inspection of the type of installation (cable ducts etc)	\odot	\odot	
Visual inspection of cable types	\bigcirc	\odot	
Visual inspection of the strain relief (if possible)	\oslash	\odot	
Visual inspection of cabling ducts sealing	\oslash	\odot	
Visual inspection of cable labels	\bigcirc	\odot	
Tightness of connection elements - random sample	\bigcirc	\oslash	
Inverter			
Visual inspection of IP standards	\odot	\oslash	
Visual inspection labeling	\bigcirc	\oslash	
Visual inspection of animal protections (if available)	\odot	\odot	
Visual inspection of documentation (central inverter)	\odot	\odot	
Visual inspection of locks and sealings	\bigcirc	\odot	
Visual inspection of warning signs	\odot	\odot	
Inspection according to manufacturer's instruction	\bigcirc	\odot	
Visual inspection of surge protection devices	\odot	\odot	



	Included in the basic package	Included in the Premium package	Choose your individual service package
AC combiner boxes			
Visual inspection of IP standards		\odot	
Visual inspection of accessibility (light, obstacles, etc.)		\odot	
Visual inspection labeling		\odot	
Visual inspection of animal protection (sheep) (if available)		\odot	
Visual inspection of documentation		\odot	
Visual inspection of locks and sealings		\odot	
Visual inspection of warning signs		\odot	
Visual inspection of earthing		\odot	
Visual inspection of protection of live parts		\odot	
Visual inspection of interior (water ingress, insects, etc.)		\odot	
Visual inspection of the strain relief and cable entry		\odot	
Visual inspection of the fuse holders		\odot	
Checking the fuses (continuity test for fuses)		\odot	
Visual inspection of internal cabling		\odot	
Visual inspection of the busbar (corrosion, discoloration)		\odot	
Visual inspection of surge protection devices		\odot	
Visual inspection of emergency switches (if available)		\odot	
Visual inspection of monitoring equipment (if available)		\odot	
Visual inspection of additional equipment (if available)		\odot	
Medium voltage distributions			
Visual inspection of accessibility (light, obstacles, etc.)		\odot	
Visual inspection labeling		\odot	
Visual inspection of animal protection (sheep) (if available)		\odot	
Visual inspection of documentation		\odot	
Visual inspection of isolation gas (if available)		\odot	
Visual inspection of the locking system		\odot	
Visual inspection of switching and safety equipment		\odot	
Visual inspection of locks and sealings		\odot	
Visual inspection of warning signs		\odot	
Visual inspection of earthing		\odot	
Visual inspection of protection of live parts		\odot	
Visual inspection of interior (water ingress, insects, etc.)		\odot	



	Included in the basic package	Included in the Premium package	Choose your individual service package
Visual inspection of the strain relief and cable entry		\odot	
Visual inspection of internal cabling		\odot	
Visual inspection of surge protection devices		\odot	
Visual inspection of monitoring equipment (if available)		\odot	
Visual inspection of additional equipment (if available)		\odot	
Cleaning the transformer / transformer room		\odot	
Measurement sensors			
Visual inspection for damage	\oslash	\odot	
Visual inspection of soiling	\odot	\odot	
Control of alignment and attachment	\odot	\odot	
Cleaning of irradiation measurement device	\odot	\odot	
Verification and implementation of updates for data loggers	\odot	\odot	
Plausibility check of recording data	\odot	\odot	
Measurements			
String measurements Isc, Uoc, Riso	\odot	\odot	
Evaluation and Analysis (string measurements)	\odot	\odot	
UI characteristic measurement		\odot	
Evaluation and analysis (UI characteristic measurement)		\odot	
Grid analysis			
Grid analysis evaluation			
Thermographic examination – transformers and electrical switchgears (if accessible)			
Thermographic examination – electrical sub- distributions and busbars (if accessible)			
Thermographic examination – inverters (if accessible)			
Thermographic examination – DC- Combinerboxes (if accessible)			
Thermographic examination – pv-modules			
Evaluation and Analysis (thermographic examination)			
E-Check / DGUV V3			
Initial commissioning test based on VDE 0100 - 600			
Repeat test based on VDE 0105 - 100			
Evaluation and Analysis (E-Check / DGUV V3)			
Affixing test seals			



	Included in the basic package	Included in the Premium package	Choose your individual service package
Extra services			
Green cuttings			
Module cleaning			
Calibration of measurement sensors			
Measured value purchase, e.g. satellite data			
Thermographical inspection via "Solartektor"			

I have customised my service package.

I choose the complete basic package.

I choose the complete premium package.

Space for your message

Checklist for planning



Contact information

Salutation	Mr Ms Not sp	ecified	
First name*		Surname*	
E-mail*		Phone	
Company*			*Mandatory field
The sola	r park		
Location of the s	solar park		
Area of the solar	r park (in hectares)		
Size in MWp (mir	n. 1 MWp)		
Installation	Fixed mounting	Tracking system	
Voltage	1000 Volt 150) Volt	
Commissioning	date		

The components

Inverter manufacturer		
Inverter type	Number of inverters	
Module manufacturer		
Module type	Number of PV modules	
Transformer type	Number of transformers	
Monitoring system currently in use		

Have you selected your desired service package? Then send it to us directly here by e-mail. We will get in touch with you as soon as possible!