



**With Inbar's Operations
and Maintenance Agreement
Just lay back and count the Kilowatts**

Optimizing Operational Procedures. Preventing the Unexpected.

An operations and maintenance agreement ensures reliable performance and operational accountability; it guarantees an extended lifetime for your PV solar system.

An operations and maintenance agreement – your ideal way of keeping a productive, cost-efficient and profitable PV solar system.

Maximum Productivity. Ultimate Efficiency.

Inbar does everything required to keep your photovoltaic system performing optimally: Professional monitoring; alert notification; immediate response; corrective and preventive maintenance including periodic panel washing.

Choose the optimal service agreement that best suit your needs:

Monitoring & Control Agreement – Troubleshooting and Performance Monitoring

We do the monitoring. You do the maintenance

- Online connection to Inbar's advance monitoring system
- 24/7 real-time monitoring of system performance
- Remote troubleshooting and remote troubleshooting
- Alerts notification and maintenance recommendation
- Customer helpdesk for problem management and support
- On-call on-site service (optional)

Basic Operations and Maintenance Agreement

You do the washing. We do the rest






























- Monitoring and control as above, as well as:
 1. Ongoing preventative maintenance
 - Annual check. PV System visual, physical, electrical and thermal tests are performed annually. This check is conducted by designated technicians, using advanced measuring devices and a thermographic camera. Adjustments and corrections are made according to test results including measures geared to preventing future damage
 - Annual reading – actual meter reading and calibration of calculated reading as required
 - Detailed report of test results and system status
 - Preventative maintenance works such as: periodic checks, inverter and transformer filter cleaning, reinforcement of nuts and bolts
 2. Corrective maintenance
- Immediate response to breakdowns by our experienced technical team
- Temporary solutions for breakdowns in order to minimize output losses, until permanent repair is applied

Comprehensive Operations and Maintenance Agreement

We take full responsibility for your PV solar system.

- A complete package of basic Operation & Maintenance Agreement, as well as professional panel washing services, and comparative performance analysis
- Water-efficient washing method using special equipment and water treated for this specific purpose in order to extend panel's life
- Panel washing plan according to system performance analysis
- Performance and trend analysis based on comparing your system's performance with that of others maintained by Inbar



Field	Monitoring Control	Basic O&M	Comprehensive O&M
Monitoring and control			
Handling field repair			
Communication faults			
Installing a communications modem			
Connection to Inverter Manufacturer's portal			
Monthly communications cost			
Panels and Inverters warranty		As Per manufacturer's warranty	As Per manufacturer's warranty
Cables			
Structure			
Malfunctions caused by the electrical grid			
Performance and trend analysis			
Meter reading			
Annual check			
Panel washing			

Professional Maintenance  Cost Saving  Maximum Productivity

Inbar PV Solar Energy – We lead the Israeli market in designing, constructing and maintaining PV Solar Systems.

Your Perfect Choice

- Comprehensive operational approach to maximize productivity
- Close ties with equipment manufacturers
- Turnkey solutions: monitoring and inspection, preventative maintenance, ongoing maintenance, advanced tests
- Experienced engineering department handling complex performance issues and supporting advanced solutions
- Strong financial backing - part of F.K. Generators Ltd



Annual check

Your PV Solar System is in Good Hands

- Servicing more than 250 commercial systems
- More than three years of experience in operation and maintenance of solar systems
- Unique measurement equipment
- Centralized Monitoring and Control system
- Advanced panel washing equipment
- Professional and experienced service teams



Holistic simultaneous check of PV system components

We Have You Covered

- Solar energy systems require ongoing maintenance to prevent malfunction
- Avoid significant downtime losses
- Professional monitoring and troubleshooting of system performance leaves you worry-free
- Inbar conducts comparative performance tests to identify expectable outputs and negative trends that indicate faults



Thermo graphic camera

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 **INBAR**
SOLAR ENERGY
F.K Generators Group