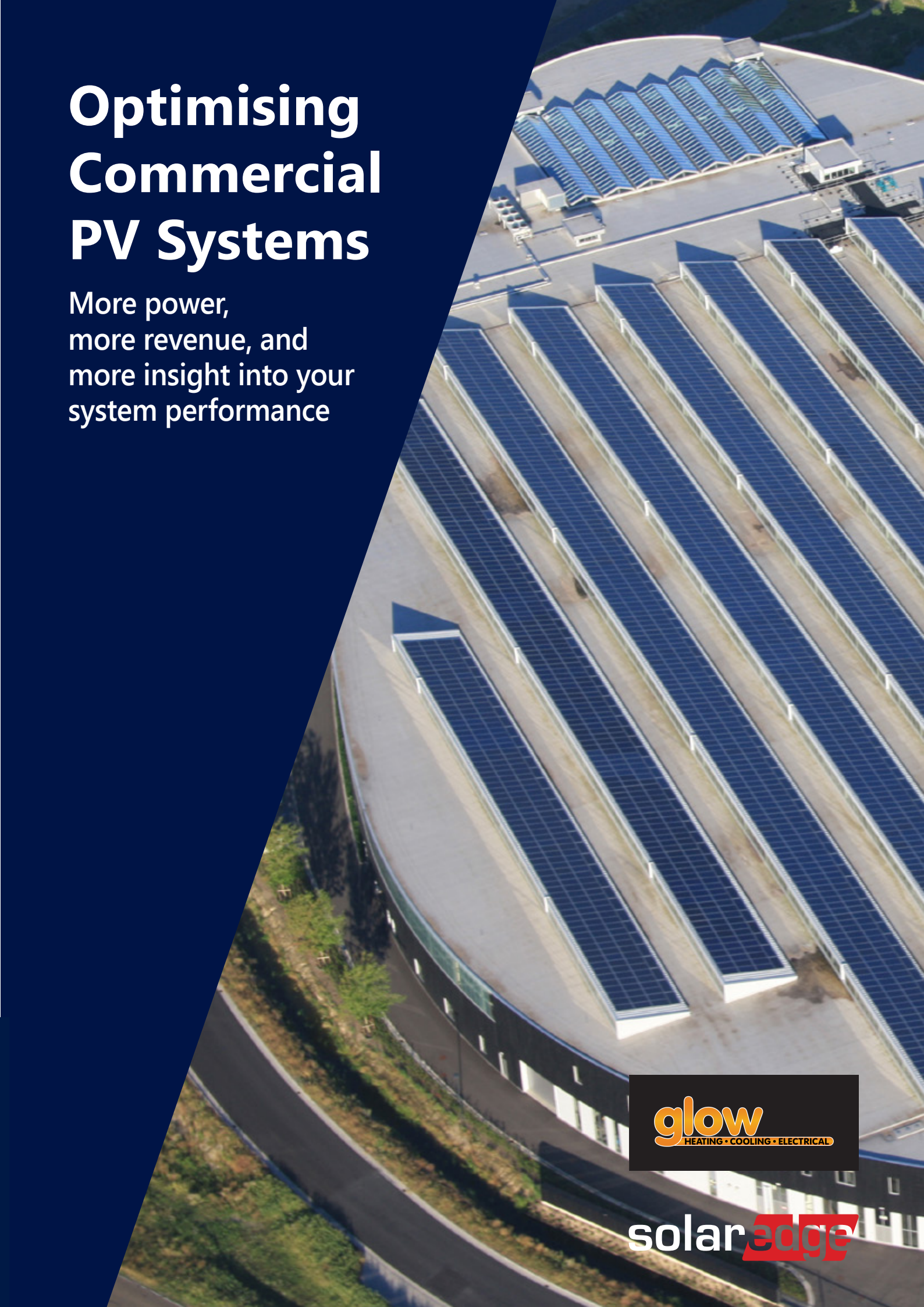
Optimising Commercial PV Systems

More power,
more revenue, and
more insight into your
system performance



glow
HEATING • COOLING • ELECTRICAL

solaredge

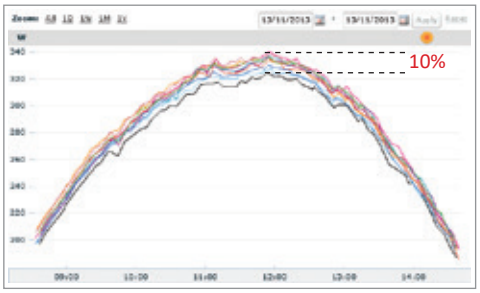
Improve Your Bottom Line

Harvest more power from each panel

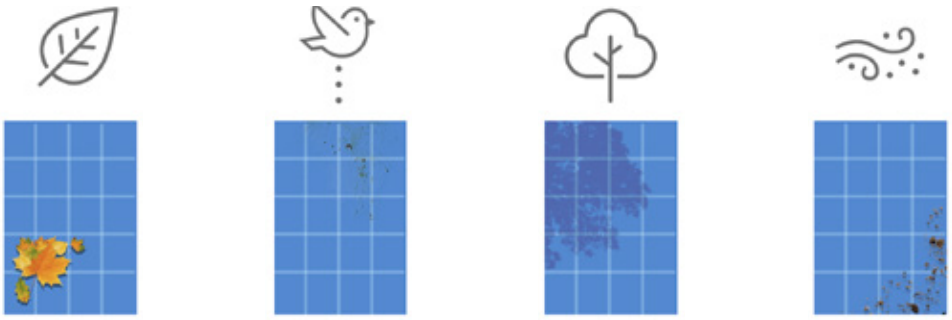
SolarEdge mitigates power losses due to mismatch between panels for maximum power generation from each panel. With SolarEdge, weaker panels do not affect the strong ones.

10% panel mismatch

Screenshot from the SolarEdge monitoring platform, showing power curves of 10 adjacent panels in a string with 10% mismatch between highest and lowest performing panels



Mismatch sources

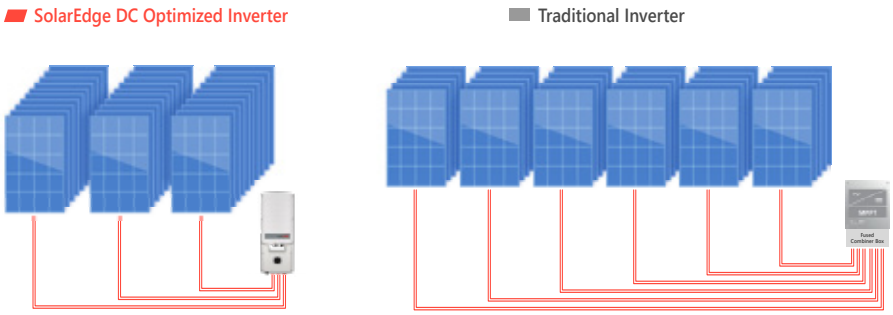


Leaves | Bird droppings | Shading (current and future) | Soiling

Cost Saving by Design

Save 50% on electrical BoS with longer strings

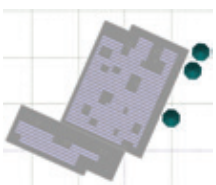
26-60 panels, up to 15kW per string



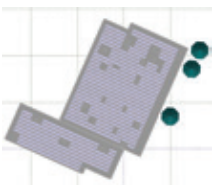
More Energy by Design

Increase your system capacity with more panels on the roof

Flexible site design > More panels on the roof > **More power**



Traditional inverter | 149.5kW DC



SolarEdge | 200kW DC

34% more power

Secure Your Investment

Cost Saving Maintenance

- Free panel-level monitoring for system lifetime
- Full control of your assets
- Panel-level performance monitoring and remote maintenance lead to:
  - Less trips to site and less time spent on site
  - Higher system uptime
- Complete system status on your mobile device

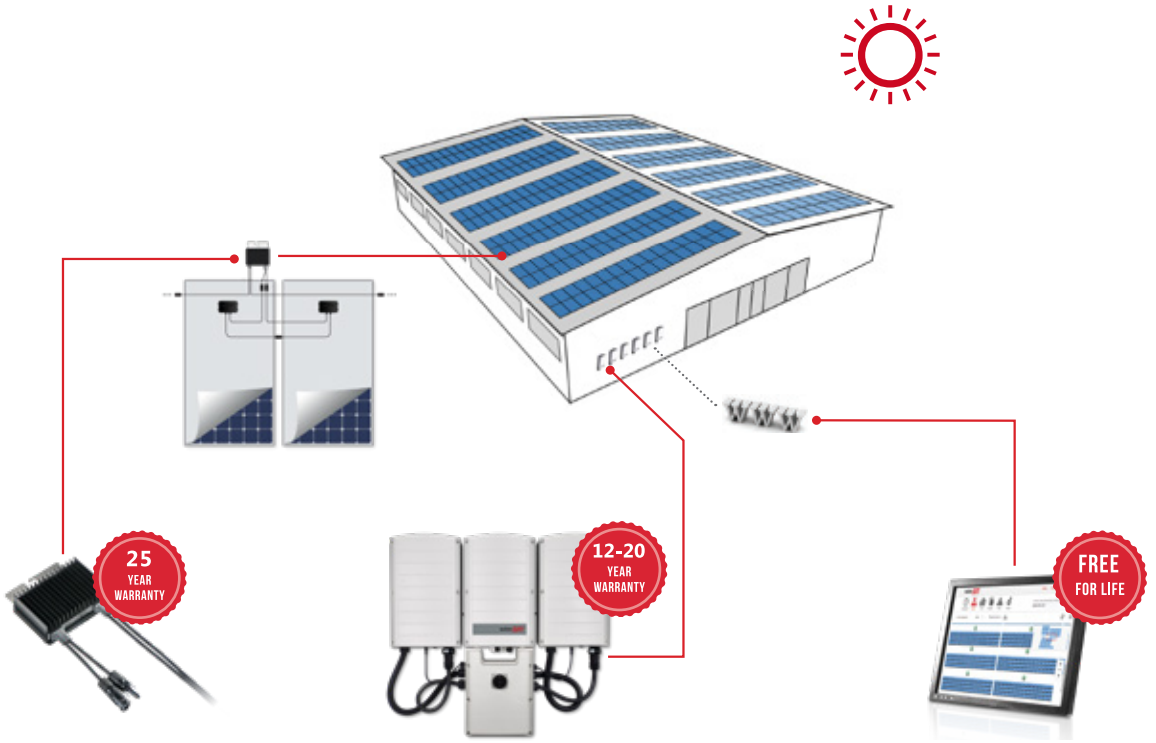
Future Compatibility and Warranty

- Low cost inverter replacement out of warranty
- Future panel compatibility (replacement and extension)
  - New panels can be utilised in the same string with old ones

Protecting Your Assets

- Providing the highest safety for installers, electricians, and firefighters
- Better suited for future insurance requirements

More Power • More Revenue • More Insight



P600, P700, P800p, P850
2 to 1 Power Optimisers

- Panel-level MPPT - no mismatch power losses
- Strings of uneven length, panels on multiple azimuths and tilts
- P600 compatible with three phase inverters SE15K and higher
- P700, P800 & P850 compatible with three phase inverters SE16K and higher
- SafeDC™ - designed for automatic panel-level safety shutdown

15kW-100kW
Three Phase Inverters

- Specifically designed to work with power optimisers
- Superior efficiency
- Easy installation, including 2-person install for large capacity models
- Built-in communication gateway
- Simple, step-by-step inverter activation and commissioning with the Inverter SetApp mobile application

Monitoring Platform

- Full visibility of system performance
- Remote, panel-level troubleshooting

Commercial Gateway

- Connection of multiple sensors to analyse system performance

About SolarEdge

SolarEdge is a global leader in smart energy technology. By deploying world-class engineering capabilities and a relentless focus on innovation, we create smart energy products and solutions that power our lives and drive future progress

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