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PROJOY  
electric  
*- Switch To Safety! -*

# Optimize. Monitor. Protect.

PROJOY PV Optimizer

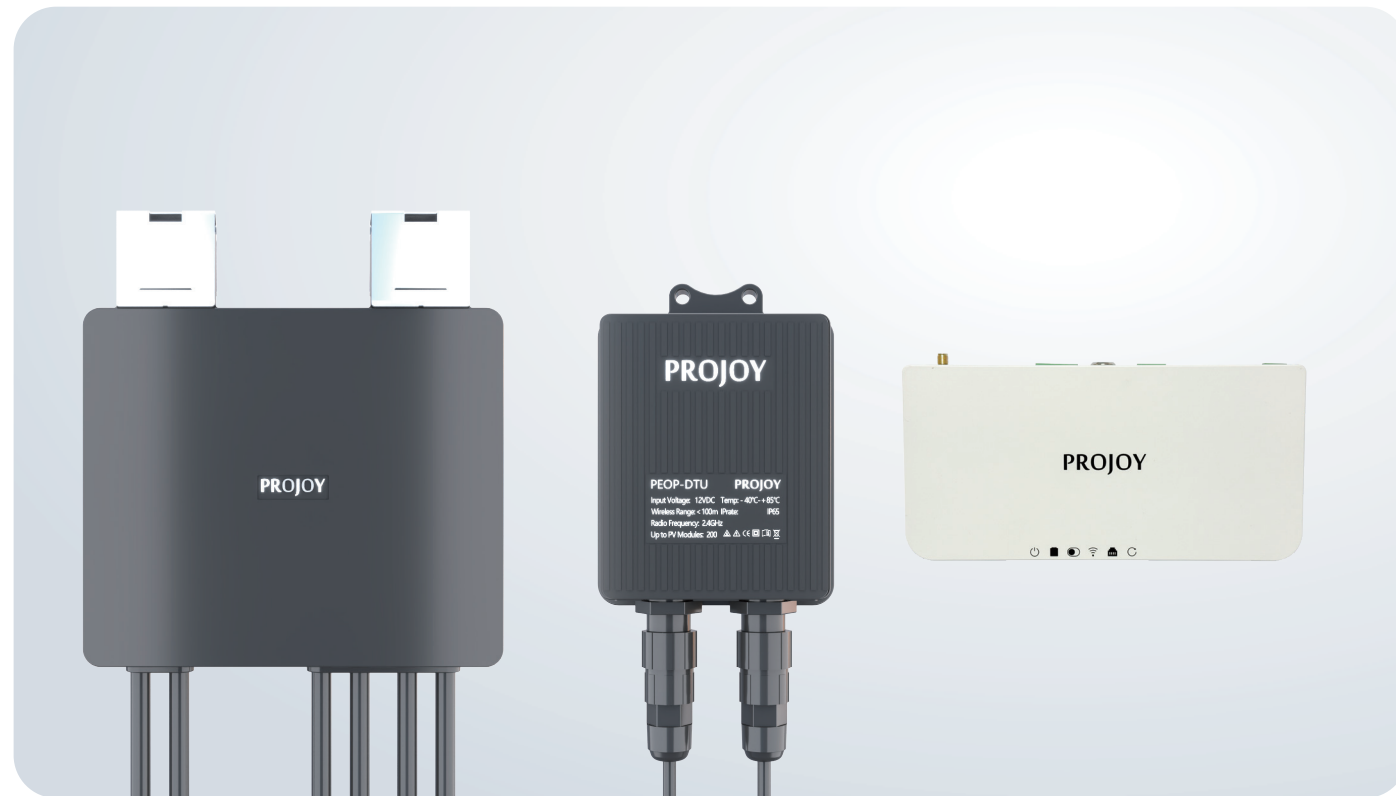


Projoy Electric Co., Ltd.

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# Optimizer

PEOP700/1000/1200/1400



## Product Features

Secure solar system, remote shutdown, reduce high voltage risk

Module-level MPPT, power generation increase 30%

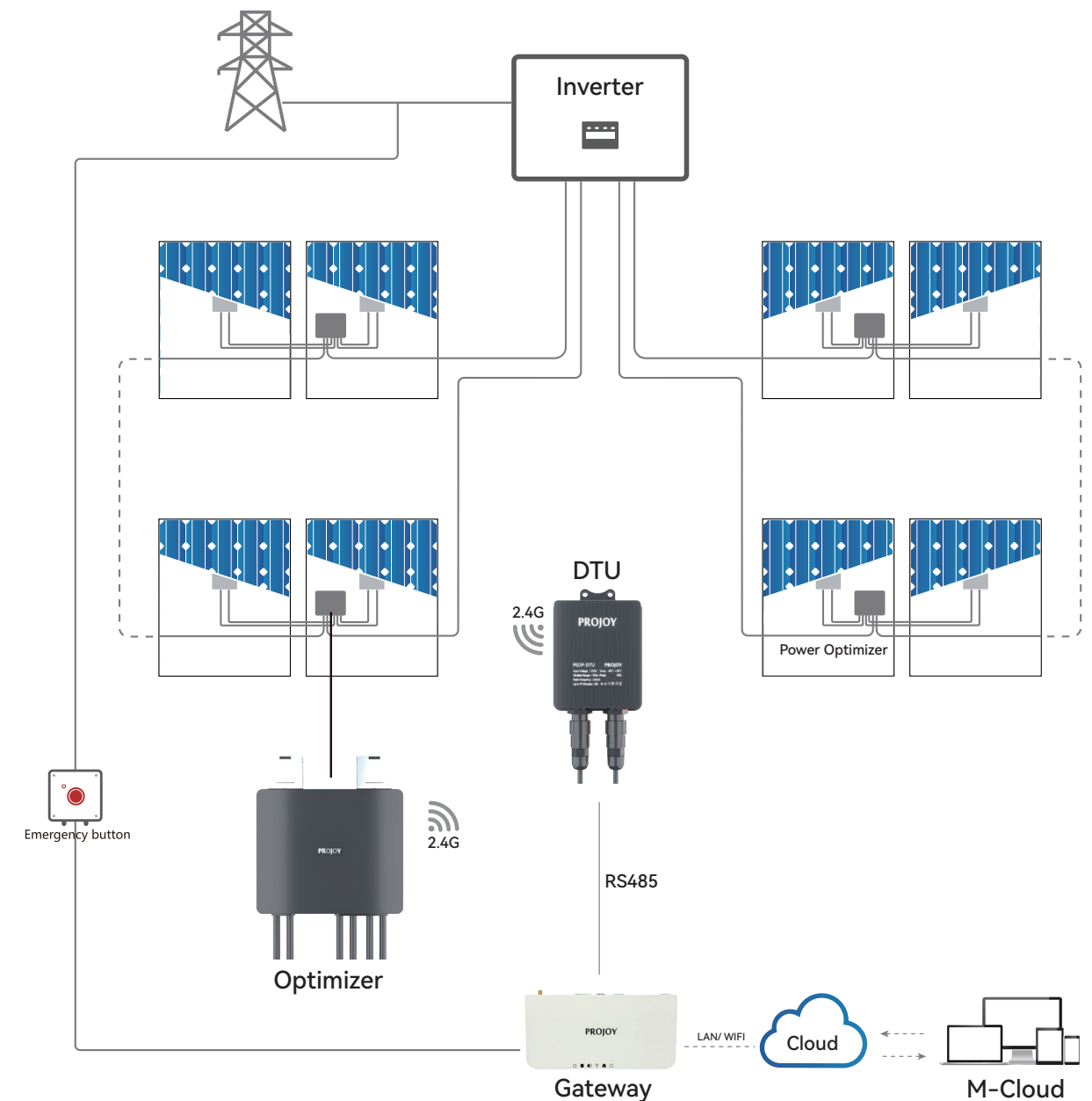
Real-time module level monitoring, timely warning and positioning the problem

Compatible with most mainstream PV modules and inverters

Clip/Screw fixing optional, flexible installation methods

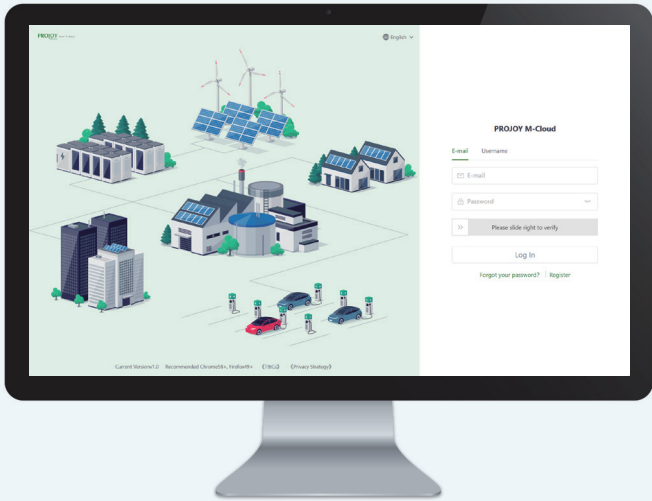
25 years lifespan, perfectly matching solar modules

## Diagram



Projoy Monitoring

Projoy M Cloud monitoring system offers 24/7 real-time monitoring to solar systems, allowing full monitoring control, remote firmware upgrades, site-specific settings and full readiness for flexibility services – ideal for a future-proof offering.



Web

<https://pro.projoy-electric.com/login>



APP



iOS



Android

Technical data

| Model                                    | PEOP700            | PEOP1000    | PEOP1200    | PEOP1400    |
|------------------------------------------|--------------------|-------------|-------------|-------------|
| Input Data                               |                    |             |             |             |
| Quantity of Input                        | 1                  | 2           | 2           | 2           |
| Recommended Module Power (W)             | 600~700            | 400~500     | 500~600     | 600~700     |
| Max. Input Power (W)                     | 700/700            | 500/500     | 600/600     | 700W/700    |
| MPPT Voltage Range per Input (V)         | 13~60              | 13~60/13~60 | 13~60/13~60 | 13~60/13~60 |
| Max. Input Voltage per Input (V)         | 60                 | 60          | 60          | 60          |
| Max. Short-circuit Current per Input (A) | 21                 | 15          | 17          | 21          |
| Max.Input Current per Input (A)          | 20                 | 14          | 16          | 20          |
| Output Data                              |                    |             |             |             |
| Max.Output Power (W)                     | 700                | 1000        | 1200        | 1400        |
| Max. Output Current (A)                  | 20                 | 14          | 16          | 20          |
| Output Voltage Range (V)                 | 0~60               | 0~120       | 0~120       | 0~120       |
| Others                                   |                    |             |             |             |
| Peak Efficiency                          | 99.60%             | 99.60%      | 99.60%      | 99.60%      |
| Max.System Voltage                       | 1500V              | 1500V       | 1500V       | 1500V       |
| Dimensions(WxHxDmm)                      | 129*143*30         |             |             |             |
| Weight                                   | 985g               |             |             |             |
| Communication                            | 2.4GHz wireless    |             |             |             |
| Ingress Protection                       | IP68               |             |             |             |
| Cooling                                  | Natural convection |             |             |             |
| Operating Ambient Temperature Rang       | -40~+85°C          |             |             |             |
| Humidity                                 | 0%~90%             |             |             |             |

Technical data

| Model                    | PEOP-DTU        |
|--------------------------|-----------------|
| Input Data               |                 |
| Working Voltage          | 12Vdc           |
| Working Current          | 20mA            |
| Communication Data       |                 |
| Data Input               | 2.4GHz wireless |
| Data Output              | RS485           |
| Wireless Range (to PEOP) | ≤50m            |
| Connection No.of PEOP    | 50              |
| Others                   |                 |
| Dimensions (WxHxD mm)    | 88*120*38.5     |
| Working Temperature      | -40~+85°C       |
| Ingress protection       | IP65            |

|                                | PEOP-GTW    |
|--------------------------------|-------------|
| Input Data                     |             |
| Working Voltage                | AC 85~305V  |
| Working Current                | 50mA        |
| Communication                  |             |
| Data Input                     | RS485       |
| Data Output                    | RJ45, WiFi  |
| Max Connection No. Of PEOP-DTU | 10          |
| Others                         |             |
| Working Temperature            | -25°C ~70°C |
| Dimensions (WxHxD mm)          | 204*100*47  |

Product Showcase

Optimizer



DTU



Gateway

