

## Solis-EPM-5G

# Solis Export Power Manager

### Smart & strong

- Simultaneous control of 20 X Solis inverters

### Saving & high precision

- Simultaneously monitor the operating data of the 20 X Solis inverter, saving the cost of the monitoring system
- The control accuracy is up to 1%, which improves the system's spontaneous use rate

### Friendly & compatible

- Supports simultaneous access of Solis inverters with different powers
- Monitor power generation and load consumption at all times

### Models:

Solis-EPM1-5G

Solis-EPM3-5G-PRO

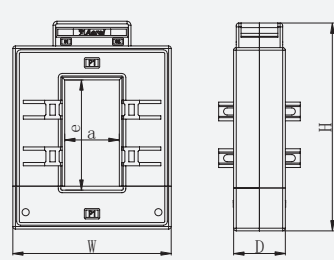


360° View



# DATASHEET

## Solis-EPM-5G

| Models                                                                              | Solis-EPM1-5G                                      | Solis-EPM3-5G-PRO                                                                       |     |    |                |     |          |
|-------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------|-----|----|----------------|-----|----------|
| Input AC                                                                            |                                                    |                                                                                         |     |    |                |     |          |
| Rated voltage                                                                       | 1/N/PE, 230 V                                      | 1/N/PE, 230 V; 3/(N)/PE, 400 V; 3/PE, 480 V                                             |     |    |                |     |          |
| Input voltage range                                                                 | 100 ~ 300 V (L-N)                                  | 100 ~ 300 V (L-N); 175 ~ 519 V (L-L)                                                    |     |    |                |     |          |
| Input frequency range                                                               | 45 ~ 65 Hz                                         |                                                                                         |     |    |                |     |          |
| Communication                                                                       |                                                    |                                                                                         |     |    |                |     |          |
| Inverter communication                                                              | Modbus                                             |                                                                                         |     |    |                |     |          |
| Communication with inverter                                                         | RS485 (Wired)                                      |                                                                                         |     |    |                |     |          |
| Max. communication inverter numbers                                                 | 20                                                 | 20 (Recommended)                                                                        |     |    |                |     |          |
| Monitoring                                                                          | WiFi / 4G / LAN Stick (Optional)                   |                                                                                         |     |    |                |     |          |
| General Data                                                                        |                                                    |                                                                                         |     |    |                |     |          |
| Operating ambient temperature range                                                 | -25 ~ +60°C                                        |                                                                                         |     |    |                |     |          |
| Relative humidity                                                                   | 5% ~ 95%                                           |                                                                                         |     |    |                |     |          |
| Max. operation altitude                                                             | 2000 m                                             |                                                                                         |     |    |                |     |          |
| Ingress protection                                                                  | IP65                                               |                                                                                         |     |    |                |     |          |
| Pollution degree                                                                    | PD2 (Inside), PD3 (Outside)                        |                                                                                         |     |    |                |     |          |
| Overvoltage category                                                                | III                                                |                                                                                         |     |    |                |     |          |
| Self-consumption                                                                    | < 6 W                                              |                                                                                         |     |    |                |     |          |
| Dimensions (W × H × D)                                                              | 364 × 276 × 114 mm                                 |                                                                                         |     |    |                |     |          |
| Weight                                                                              | 2.7 kg (without CT, Meter)                         |                                                                                         |     |    |                |     |          |
| AC connection                                                                       | Quick connection terminal                          |                                                                                         |     |    |                |     |          |
| Display                                                                             | LCD                                                |                                                                                         |     |    |                |     |          |
| Smart meter                                                                         | No                                                 | Split phase: AGF-AE-D <sup>(1)</sup><br>Three phase: ADL3000-E-B <sup>(2)</sup>         |     |    |                |     |          |
| CT connection                                                                       | Plug terminal                                      |                                                                                         |     |    |                |     |          |
| CT specification                                                                    | Single phase:<br>Standard (100 / 5 A or 300 / 5 A) | Split phase: Standard (200 / 40 mA)<br>Three phase: Optional (Secondary current is 5 A) |     |    |                |     |          |
| Power control accuracy                                                              | 1%Pn                                               |                                                                                         |     |    |                |     |          |
| Features                                                                            |                                                    |                                                                                         |     |    |                |     |          |
| Failsafe function                                                                   | Yes                                                |                                                                                         |     |    |                |     |          |
| Remote upgrade                                                                      | Yes                                                |                                                                                         |     |    |                |     |          |
| CT specification <sup>(2)</sup>                                                     |                                                    |                                                                                         |     |    |                |     |          |
|  | Specification                                      | Dimensions (mm)                                                                         |     |    | Hole size (mm) |     | Ratio    |
|                                                                                     |                                                    | W                                                                                       | H   | D  | a              | e   |          |
|                                                                                     | CT-30×20-100 A                                     | 90                                                                                      | 114 | 40 | 22             | 32  | 100:5 A  |
|                                                                                     | CT-60×40-300 A                                     | 114                                                                                     | 140 | 36 | 42             | 62  | 300:5 A  |
|                                                                                     | CT-80×40-600 A                                     | 122                                                                                     | 162 | 40 | 42             | 82  | 600:5 A  |
|                                                                                     | CT-80×40-1000 A                                    | 122                                                                                     | 162 | 40 | 42             | 82  | 1000:5 A |
|                                                                                     | CT-160×80-2000 A                                   | 184                                                                                     | 254 | 52 | 82             | 162 | 2000:5 A |
|                                                                                     | CT-160×80-3000 A                                   | 184                                                                                     | 254 | 52 | 82             | 162 | 3000:5 A |

(1) For AGF-AE-D, 2 CTs(200/40mA) will be provided by default.

(2) For ADL3000-E-B, CTs should be ordered separately.

(3) Inverters may need a communication adapter to connect the EPM, please consult a sales representative before placing an order.