

Solis-EPM-5G

Accessories - Solis Export Power Manager

Smart & strong

- Simultaneous control of 80 X Solis inverters
- Realizing reactive compensation of the system

Saving & high precision

- Simultaneously monitor the operating data of the 80 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

Solis-EPM3-5G-PRO

Solis-EPM3-5G-PLUS

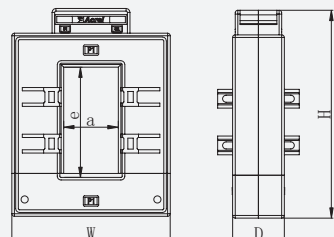


360° View



DATASHEET

Solis-EPM-5G

| Models | Solis-EPM1-5G | Solis-EPM3-5G | Solis-EPM3-5G-PRO | Solis-EPM3-5G-PLUS | | | |
|---|---|-----------------------|-------------------|-----------------------|----------------|----------|----------|
| Input AC | | | | | | | |
| Rated voltage | 1/N/PE, 230 V | 3/N/PE, 230 V / 400 V | | 3/N/PE, 230 V / 400 V | | | |
| Input voltage range | 110 ~ 300 V (L-N) | 175 ~ 519 V (L-L) | | L - L: 175~ 456 V | | | |
| Input frequency range | 45~65 Hz | | | | | | |
| Communication | | | | | | | |
| Inverter communication | Modbus | | | | | | |
| Communication with inverter | RS485 (Wired) | | | | | | |
| Max. communication inverter numbers | 10 | 60 ⁽¹⁾ | | 80 ⁽¹⁾ | | | |
| Max. communication distance | 1000 m | | | | | | |
| Monitoring | WiFi/4G/LAN Stick (Optional) | | | DLB-W (Built-in) | | | |
| 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 | | | <15 W | | | |
| Dimensions (W*H*D) | 364*276*114 mm | | | 488*446*149 mm | | | |
| Weight | 2.1 kg (without CT, Meter) | | | 5.4 kg (without CT) | | | |
| AC connection | Quick connection terminal | | | | | | |
| Display | LCD | | | | | | |
| Smart meter | No | Yes | | Yes (Built-in) | | | |
| CT connection | Plug terminal | | | | | | |
| CT specification | Optional (Secondary current is 5A) ⁽²⁾ | | | | | | |
| Power control accuracy | 1% | | | | | | |
| Features | | | | | | | |
| Failsafe function | Yes | | | | | | |
| Remote upgrade | Yes | | | | | | |
| Control time | 5 s | | | | | | |
| CT specification | | | | | | | |
|  | 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) The installed capacity of the inverter cannot exceed 5MW.

(2) Due to different on-site installation conditions, Solis currently has optional specifications as shown in the above table. It is suggested that the client can choose the appropriate CT specifications according to the actual installation requirements.