

Solis-EPM-5G

Solis Export Power Manager

Smart & strong

- Simultaneous control of 20 X Solis inverters
- Realizing reactive compensation of the system

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-PLUS

Solis-EPM3-5G-PRO



360° View



DATASHEET

Solis-EPM-5G

| Models | Solis-EPM1-5G | Solis-EPM3-5G-PLUS | Solis-EPM3-5G-PRO | | | | |
|---|--|---|---|----|----------------|----------|----------|
| Input AC | | | | | | | |
| Rated voltage | 1/N/PE, 230 V | 3/(N)/PE, 400 V; 3/PE, 480 V | 1/N/PE, 230 V; 3/(N)/PE, 400 V; 3/PE, 480 V | | | | |
| Input voltage range | 100 ~ 300 V (L-N) | 175 ~ 494 V (L-L) | 100 ~ 300 V (L-N); 175 ~ 494 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) | 20 (Recommended) | | | | |
| Monitoring | WiFi / 4G / LAN Stick (Optional) | WiFi / LAN (Integrated) | 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 | < 15 W | < 6 W | | | | |
| Dimensions (W × H × D) | 364 × 276 × 114 mm | 488 × 446 × 149 mm | 364 × 276 × 114 mm | | | | |
| Weight | 2.1 kg (without CT, Meter) | 5.4 kg (without CT) | 2.1 kg (without CT, Meter) | | | | |
| AC connection | Quick connection terminal | | | | | | |
| Display | LCD | | | | | | |
| Smart meter | No | Three phase: DTSD1352-C (Integrated) | Split phase: AGF-AE-D Three phase: ADL3000-E-B | | | | |
| CT connection | Plug terminal | | | | | | |
| CT specification | Single phase: Standard (100 / 5 A or 300 / 5 A) | Three phase: Optional (Secondary current is 5 A) | Split phase: Standard (200 / 40 mA) Three phase: Optional (Secondary current is 5A) | | | | |
| Power control accuracy | 1%Pn | | | | | | |
| 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 | |