

## 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

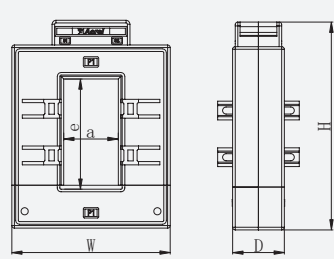


360° View



# DATASHEET

# Solis-EPM-5G

Models	Solis-EPM1-5G	Solis-EPM3-5G-PLUS	Solis-EPM3-5G-PRO				
<b>Input AC</b>							
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						
<b>Communication</b>							
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)				
<b>General Data</b>							
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 5 A)				
Power control accuracy	1%Pn						
<b>Features</b>							
Failsafe function	Yes						
Remote upgrade	Yes						
Control time	5 s						
<b>CT specification</b>							
	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	