

## 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			
<b>Input AC</b>							
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						
<b>Communication</b>							
Inverter communication	Modbus						
Communication with inverter	RS485 (Wired)						
Max. communication inverter numbers	10	60 <sup>(1)</sup>		80 <sup>(1)</sup>			
Max. communication distance	1000 m						
Monitoring	WiFi/4G/LAN Stick (Optional)			DLB-W (Built-in)			
<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			
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) <sup>(2)</sup>						
Power control accuracy	1%						
<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	

(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.