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:

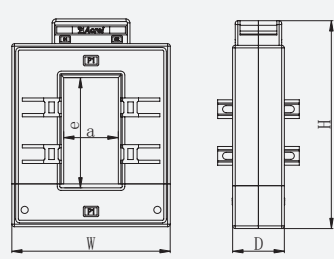Solis-EPM1-5G

Solis-EPM3-5G-PLUS

Solis-EPM3-5G-PRO

360º 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 (175 ~ 519 V)	1/N/PE, 230 V; 3/(N)/PE, 400 V
Input voltage range	100 ~ 300 V (L-N)	175~ 456 V (L-L)	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	10 (Recommended)	20 (Recommended)
Monitoring	WiFi/4G/LAN Stick (Optional)	WiFi	WiFi/4G/LAN Stick (Optional)
General Data			
Operating ambient temperature range		-25 ~ +60℃	
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	Single phase: ACR10R-D16TE Three phase: DTSD1352-C
CT connection		Plug terminal	
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-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