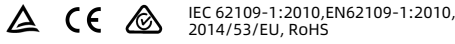


Basic Information

Product	Optimizer for 1x PV module
Power	600W
Model	SP1-600W-AS/SP1-600W-AL
Warranty	25 years
Life Circle	25 years+

Certificate



IEC 62109-1:2010, EN62109-1:2010, 2014/53/EU, RoHS



SolarPilot Energy APP



Android



IOS

1. "SolarPilot Energy" in APP Store or Google Play
2. Scan above QR code to download the APP

Specification

Efficiency	Maximum efficiency	≥99.5%	
	European area	≥99.0%	
	North America area	≥99.1%	
DC Input	Maximum input power	600W	
	Maximum input voltage	75V	
	Maximum input current	15A	
	Input voltage range	15V~75V	
	MPPT voltage range	15V~75V	
	Starting voltage	15V	
	Maximum output power	600W	
DC Output	Maximum output voltage	75V	
	Maximum output current	18A	
	Voltage	0.01V	
Detection Accuracy	Current	0.01A	
	Dimension	95mm*129mm*56mm	
General Parameters	Net weight	≤1000g	
	Ingress Protection	IP 68	
	System voltage	1100V	
	Data sampling interval	1min (I/V/P) / 5min / 15 min	
	Wireless data transmission distance	≤30m(indoor), ≤50m(outdoor)	
	Connector	MC4	
	Input DC cable length	0.12m (AS) 1m (AL)	
	Output DC cable length	1.2m	
	Operating temperature	-40°C ~ 85°C	
	Storage temperature	-40°C ~ 70°C	
	Operating humidity	0% ~ 100%	
	Operating altitude	≤2000m	
	Power supply	PV panel	
	Shutdown time	≤10s	
	Installation method	Fixed on bracket/ PV panel frame	
	Function	Bypass cut-off function	YES
		Auto shutdown function	YES
Manual shutdown function		YES	
DC over-voltage protection		YES	
DC over-load protection		YES	
Reverse polarity protection		YES	
Short circuit protection		YES	
Wireless data collection		YES,work with SolarPilot Zigbee gateway	