



## Basic Information

Product	Optimizer for 2x PV modules
Power	<b>1600W</b>
Model	SP4-1600W-AL
Warranty	25 years
Life Circle	25 years+



## SolarPilot Energy APP



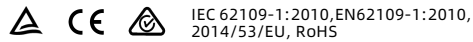
Android



IOS

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

## Certificate



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

## Specification

Efficiency	Maximum efficiency	≥99.0%
	European area	≥98.8%
	North America area	≥98.5%
DC Input (2-way)	Maximum input power	1600W
	Maximum input voltage	150V
	Maximum input current	20A   20A
	Input power range	12.5V~75V   12.5V~75V
	MPPT voltage range	15~75V   15V~75V
	Starting voltage	15V   15V
	DC Output	Maximum output power
Maximum output voltage		150V
Maximum output current		22A
Detection Accuracy	Electric voltage	0.01V
	Electric current	0.01A
General Parameters	Dimension	131mm*172mm*55mm
	Net weight	≤1500g
	Degree of protection	IP 68
	System voltage	1500V
	Data sampling frequency	1min (I/V/P)
	Wireless data transmission distance	≤500m(indoor), ≤1000m(outdoor)
	Connector	MC4 / EVO2
	Input DC cable length	0.8m   0.8m    1.7m   1.7m
	Output DC cable length	1.2m   1.2m
	Operating temperature	-45°C ~ 85°C
	Storage temperature	-40°C ~ 70°C
	Working humidity	0% ~ 100%
	Working altitude	≤2000m
	Power supply	PV panel
	Off time	10s
	Installation method	fixed on bracket
	Function	Bypass cut-off function
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 acquisition function		YES, work with SolarPilot WiSUN gateway