



Basic Information

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



SolarPilot Energy APP



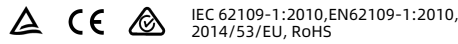
Android



IOS

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

Certificate



Specification

Efficiency	Maximum efficiency	≥99.0%
	European area	≥98.8%
	North America area	≥98.5%
DC Input (2-way)	Maximum input power	1600W(2x800W)
	Maximum input voltage	150V(2x75V)
	Maximum input current	20A 20A
	Input voltage range	15V~75V 15V~75V
	MPPT voltage range	15V~75V 15V~75V
	Starting voltage	15V 15V
	DC Output	Maximum output power
Maximum output voltage		150V
Maximum output current		22A
Detection Accuracy	Voltage	0.01V
	Current	0.01A
General Parameters	Dimension	131mm*172mm*55mm
	Net weight	≤1500g
	Ingress Protection	IP 68
	System voltage	1500V
	Data sampling interval	1min (I/V/P) / 5min / 15 min
	Wireless data transmission distance	≤50m(indoor), ≤200m(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	-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
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 WiSUN gateway