



L'Énergie Sans Limite !  
Safe Energy for Life !



## Renewable energy



2, 3, 5 & 10 KW

The reliable and efficient inverter for your residential photovoltaic installation.

P2 SunShine inverters can operate at their optimum power output voltage even under variety of weather conditions. To ensure your customers an optimum returns, P2 SunShine inverters also allow a wide input voltage range to generate maximum 96% efficiency. Bundled with monitoring software, P2 SunShine inverters can help users to monitor and calculate the accurate saving energy.



### P2 Sunshine assets

- «On Grid» PV inverter 2 KW, 3 KW, 5 KW & 3 phases 10 KW
- Advanced DSP control technology delivers accurate data
- Smart MPPTs trackers to enhance overall efficiency
- Up to 96% high conversion efficiency from 2 to 5KWA models and up to 98% for 10 KW model.
- Modulized design for easy maintenance
- Industrial-grade components used for robust operation
- Data log up to 15 years
- IP 65 protection for outdoor and harsh environment



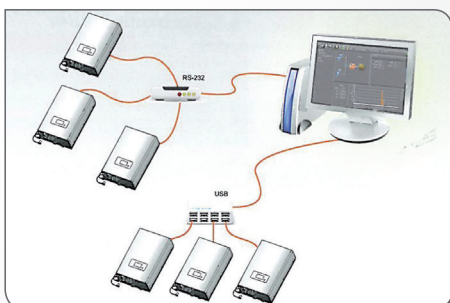
High frequency  
Technology



LCD screen

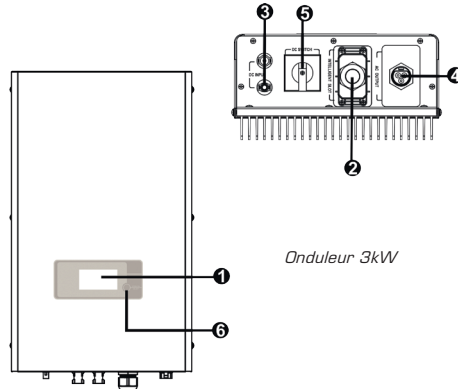
### Real-time monitoring software (option)

It can monitor multiple devices via USB or RS-232 port at the same time. The major functions include data log for device, power generation statistics, alarm messages, fault messages, and parameter setting for devices.



# CONNECTION

1. LCD screen
2. Slot with USB port communication
3. Connectors for solar modules
4. AC output terminal bloc
5. DC switch (Option)
6. SET button



## 2, 3, 5 & 10 KW

### Communications solutions

- USB
- LCD screen
- Logiciel de monitoring

### Package content

- 1 UPS
- 1 user manual
- PV connectors
- AC connectors
- USB cable
- Mounting plates
- Software

### Options

- Modbus and SNMP cards
- Warranty extensions:

Designation	Réf
P2 SunShine 3000 - 10-year warranty extension	62401
P2 SunShine 5000 - 10-year warranty extension	62403
P2 SunShine 3000 - 15-year warranty extension	62405
P2 SunShine 5000 - 15-year warranty extension	62407
P2 SunShine 3000 - 20-year warranty extension	62409
P2 SunShine 5000 - 20-year warranty extension	62411
P2 SunShine 3000 - 25-year warranty extension	62413
P2 SunShine 5000 - 25-year warranty extension	62415

### Warranty

5-year warranty against manufacturing defects under normal conditions and compliance with precautionary measures. Warranty to be taken out on our website within 10 days of purchase.



### Infosec Communication

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44700 ORVAULT - FRANCE

**Sales contact**  
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# TECHNICAL CHARACTERISTICS

	P2 SunShine 2K	P2 SunShine 3K	P2 SunShine 5K	P2 SunShine 10K
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Phase	1 phase in / 1 phase out			3 phase in / 3 phase out
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### INPUT

Max. DC power	2200W	3300W	5000 W	11000 W
Max. DC voltage	500 VDC			900 VDC
MPP Voltage range	200 VDC / 450 VDC	250 VDC / 500 VDC	180 VDC / 500 VDC	320 VDC / 800 VDC
Nominal DC voltage	360 VDC	370 VDC		600 VDC
Start-up voltage / initial feeding voltage	120VDC/150VDC	125VDC/150VDC		250VDC/250VDC
Max. input current	1 x 11 A	1 x 13A	2 x 15A	2 x 17A / 17A
Number of MPP Trackers / Strings per MPP Tracker	1 / A:1	1 / A:1	2 / A:1; B:1	2 / A:1; B:1

### OUTPUT

AC nominal power	2000 W	3000 W	4600 W	10000 W
Maximum AC Apparent Power	2100 VA	3000 VA	4600 VA	10000 VA
Nominal AC Voltage	230 VAC			3/N/PE, 230 VAC/400 VAC
AC Voltage Range	184 - 264 VAC*			
AC grid Frequency	50Hz / 60Hz			
Nominal Output Current	8.7A	13A	20A	14.5A / Phase
Power Factor (@ rated power)	> 0.99			

### EFFICIENCY

Maximum Efficiency	96%	97%	97%	98%
European Efficiency (@ Nominal Voltage & 100% load)	95%	96%	96%	97%

### PROTECTION

DC Reverse-Polarity Protection	yes			
Ground Fault Monitoring	yes			
Grid Monitoring	yes			
AC Short Circuit Monitoring	yes			
Over Current Protection	30A	30A	50A	30A / phase

### PHYSICAL

Dimension (H x W x D mm)	410 x 268.5 x 136.5	450 x 270 x 160	515 x 308 x 182	653.3 x 503.5 x 171.2
Weight (Kgs)	11.5	15	20	40

### INTERFACE

Intelligent Slot	USB & RS 232 cards / Option : SNMP & Modbus cards			
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### ENVIRONMENT

Humidity	0 - 100% (no condensing)			
Operating temperature	de 25° à 60°C			
Altitude	0 - 1000 m**			

### STANDARDS

Norms	CE, VDE-AR-N 4105, IEC62109, Guide ENEL 2009, RD 1663, G83/1-1, AS3100/AS4777			
	-	VDE0126-1-1	-	-

Product specifications are subject to change without further notice

\* The AC Voltage Range may vary depending on different country grid standard

\*\* Power derating 1% every 100 m when altitude is over 1000m.