



OCEAN SOLAR



## SINGLE PHASE *Hybrid Microinverter*

### OCE2.4K Smart Hybrid Microinverter

Hybrid Microinverter is one key components of the plug and play storage system which designed for end-users. Microinverter, which is connected between solar modules and battery, can charge excess electrical energy into the battery and release it when needed.

#### **COST-EFFECTIVE**

- investment, cuts electricity bills.

#### **EASY TO INSTALL**

- DIY-friendly. Also removable for relocation.

#### **PLUG-AND-PLAY**

- Plug into socket, start power generation instantly.

#### **SMART ANTI-BACKFLOW**

- Protects against reverse current, grid-tied power controllable.

#### **APP REMOTE CONTROL**

- Manage via mobile app, adjust settings remotely.

#### **UPS**

- Offers 10ms uninterrupted power, ensures seamless operation.

**Optimal, Clean, Efficient Energy For Home**

<b>Model</b>	<b>OCE-2.4K</b>
Rating	2400W
Peak power	4800W
Machine architecture	Bidirectional AC/DC Inverter/Lift Voltage MPPT
<b>Exports</b>	
Rated voltage	220/230/240VAC
Output frequency	50/60Hz±0.1%
Output Waveforms	pure sine wave
THDV%	<2% (linear load) <7% (non-linear loads)
Overload capacity	5 minutes @ 102%~120% rated load 10s@120%~150% rated load 5S@>150% of rated load
<b>Efficiency</b>	
Mains charging (AC-battery)	93%
Battery discharge(battery-AC)	92%
MPPT	99.9%
PV charging efficiency	96%
<b>Input(grid)</b>	
Input Voltage Range	184Vac~253Vac
Input frequency range	48Hz-51Hz
Input power factor	≥0.95
<b>Battery charging</b>	
Charge control method	Precharge, Constant Current, Constant Voltage, Equalisation, Float,Shutdown
Charge Abort Voltage	56.8V / continuously adjustable
Discharge Abort Voltage	44V / continuously adjustable
Charging current	Max. 40A, default 20A
Precharge current	1.5A
<b>Solar charging</b>	
Max.PV Access Power(W)	2400
Max.PV Input Power(W)	1600
PV Open Circuit Voltage	100VDC
PV Operating Voltage Range	10~100VDC
PV Input Current	16Amax
Number of MPPTs	2
PV charging current	0-16A*2
<b>User interface</b>	
APP	Mobile phone APP to manage and control the time and power of grid connection
Communication interface	Switching command interface,RS485,CAN communication
<b>Environmental parameters</b>	
Operating temperature	-20~55 °C
Operating humidity	0-98 %(no condensation)
Heat dissipation method	External Fan
Static (in a signal)	<45dB
Protection class	IP65
<b>Structural shape</b>	
Sizes	394mm*266mm*92mm
Weight (kg)	7.5kg



## Ocean Solar

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