



IP21 Hybrid Inverter Series

OCEAN SOLAR



# OCE-N6K-48

## 6kW/48V IP21 Hybrid inverter



IP21 protection



Hybrid on/off-grid modes



<10 ms UPS transfer



Comprehensive protections



Smart App management



Pure sine wave output

Model	OCE-N6K-48
<b>AC Input</b>	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
<b>AC Output</b>	
Rated Capacity (kW)	6
Surge Power (kVA)	12
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	Previous continuous load < 2.5kW:15min@102%~108% load; 1min@108%~120% load; 10s@ > 120% load Or 1min@102%~120% load; 10s@ > 120% load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
<b>Charger (PV / AC)</b>	
Solar Charger Type	MPPT
Max PV input Current / Input Power	27A / 9000W
MPPT Range@Operating Voltage (VDC)	60~450
ax PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
<b>Battery</b>	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
<b>Interface</b>	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (built-in)
<b>General Data</b>	
Ingress Protection	IP21
Operating Temperature	-10 °C- 50 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C- 60 °C
Max. Operating Altitude	4000m (Derating above 1000m)
Product Dimensions (mm)	410mm*336mm*110mm
Packaging Dimensions (mm)	480mm*380mm*170mm
Net Weight (kg)	7.7 kg
Gross Weight (kg)	8.4 kg