



OCEAN SOLAR



## SINGLE PHASE AII-IN-ONE *Hybrid Inverter*

### OCEAONE6K Hybrid Inverter

Hybrid Storage All-in-one Inverter(HSAI) is one key components of the residential storage system which designed for end-users.

HSAI can store excess electrical energy in the Li-battery(15KWH) and release it when needed.

- Wide MPPT range
- 2 MPPT trackers
- Type II SPD on DC/AC
- Max 10 inverters in parallel
- 19A MPPT input current per string
- Ip66 protection level
- Support generator and smart loads
- Integrated and concise design

Optimal, Clean, Efficient Energy For Home

Model	OCEAONE6K
<b>PV Input</b>	
Max. PV Input Power( KW)	9
Max. PV Open Circuit Voltage(V)	550
MPPT Range@Operating Voltage(VDC)	80-520
Full Power MPPT Voltage Range(VDC)	250-500V
Start-up Voltage(VDC)	90
Max. Input Current per MPPT(A)	19/19
Max. Short-circuit Current(A)	25/25
MPPT Tracker/Strings	2/1
Nominal Input Voltage(V)	360
<b>AC Output(On-Grid)</b>	
Nominal Output Power to Grid ( KW)	6
Max. Apparent Power to Grid ( KVA)	6
Max. Apparent Power from Grid( KVA)	6
Max. Apparent Current from Grid (A)	26.1
Nominal Output Current from Grid (A)	26.1
Max. Output Current to Grid (A)	26.1
Nominal Voltage/Frequency	230V(176V~280V),50/60Hz,L+N+PE
Adjustable Power Factor	0.8
THDI	<2%
<b>AC Output(BackUp)</b>	
Nominal Output Power(KW)	6
Max. Apparent Power(KVA)	6
Nominal Output Current(A)	26.1
Max. Output Current(A)	26.1
Nominal Voltage/Frequency	230V(176V~238V),50/60Hz,L+N+PE
Automatic Switch Time(ms)	<20
THDu	<2%
Overload Capacity	110%, 10s/150%,5s/180%, 1s/200%, 100ms
<b>Efficiency</b>	
Max. Efficiency	96.65%
Europe Efficiency	97.50%
MPPT Efficiency	99.00%
Max. Battery Charge/Discharge Efficiency	94.60%
<b>Protection</b>	
DC Switch	Yes
DC Reverse Polarity Protection	Yes
DC/AC Surge Protection	Type II/Type II
AC Overvoltage Protection	Yes
AC Short-circuit Protection	Yes
Ground Fault Monitoring	Yes
Anti-islanding Protection	Yes
Residual-current Monitoring	Yes
Insulation Resistance Monitoring	Yes
Peak/Valley Time Setting	Yes
<b>General Data</b>	
HMI	Touch LCD & APP
BMS	RS485;CAN
EMS/Meter	RS485
Communication	WiFi/LAN
Ingress Protection	IP66
Operating Temperature Range	-25~60°C
Relative Humidity	0~95%(Non-condensing)
Max. Operating Altitude	4000m (Derating above 3000m )
Cooling	Natural
Noise Emission	≤29dB
Self-consumption(W)	<15



## Ocean Solar

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lithium battery	
Battery Type	LiFepo4
Cycles	≥6000次
Normnal Battery Mode	48V314AH
Normnal capacity(25°C,0.2C)	15.07KWh
Voltage window (vdc)	44.8~58.4V
Folat charge voltage(vdc)	56.0V
Max. continue discharge current(A)	200A
Moxpulse discharge current(A)	300A sec
Max. continue charge current(A)	100A
Terminal	M8
storage tennperature	0°C~30°C
storage duration	6 months at 25°C
safety standard	UN38.3,MSDS
communication function	CAN/RS485 Intelligent BMS can connnunicate with nnultiple solar inverter,
PROTECTION	
protection	overcharge protection, overdischarge protection, shortcircuit, overcurrent protection, shortcircuit protection, overtemperature protection
AMBIENT	
Noise(dB)	< 40dB(1 meter)
orking Tennperature	-10°C~+50°C
Humidity	0 - 95% ( no condensation)
sea level(m)	≤1500
DIMENSION	
LxWxH (products size) mm	550*255*1200
weight(NW Kg)	141
weight(GW Kg)	161



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