






# OCEH6K


## 6kW Hybrid Inverter


 App monitoring & control

 IP66 outdoor protection

 <20 ms seamless backup

 TOU charge/discharge

 Smart App management

 Designed according to AS/NZS 4777.2 requirements. CEC listing in progress.

Model	OCEH6K
<b>PV Input</b>	
Max. PV Input Power	9000W
Max. PV Open Circuit Voltage	550V
MPPT Range@Operating Voltage	80V-520V
Full Power MPPT Voltage Range	250-500V
Start-up Voltage	100V
Max. Input Current per	19/19A
Max. Short-circuit Current	25/25A
MPPT Tracker/Strings	2/1
Nominal Input Voltage	360V
<b>AC Output(On-Grid)</b>	
Nominal Output Power to Grid	6kW
Max. Apparent Power to Grid	6kVA
Max. Apparent Power from Grid	6kVA
Max. Apparent Current from Grid	26.1A
Nominal Output Current from Grid	26.1A
Max. Output Current to Grid	26.1A
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	6KW
Max. Apparent Power	6KVA
Nominal Output Current	26.1A
Max. Output Current	26.1A
Nominal Voltage/Frequency	230V(176V~238V),50/60hz,L+N+PE
UPS Automatic Switch Time	<20ms
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	94.60%
<b>Battery</b>	
Battery Voltage Range	40-60V
Recommended Battery Voltage	48V
Max. Charging Voltage	60V
Max. Charging/Discharging Current	120/120A
Battery Type	Lithium and Lead Acid Battery
<b>Protection Function</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	-25°C~60°C
Humidity	20%~95% RH without condensation
Altitude	4000m (>3000 m derate 1% per 100 m)
Noise	≤29dB (1 meter)
Product Dimensions	525mm*485mm*225mm
Packaging Dimensions	690mm*580mm*300mm
Net Weight	24kg
Gross Weight	28kg
Safety standard	IEC 62109-1/-2
EMC standard	IEC 61000-6-1/-2/-3/-4