



OCE-AIO6016

6kW/16kWh All-in-one ESS Series

 IP21 protection

 <10 ms UPS transfer

 Smart App management

 Hybrid on/off-grid modes

 Comprehensive protections

 Pure Sine Wave output

Model	OCE-AIO6016
AC Input	
Rated Input Voltage	208 / 220 / 230 / 240V; L + N + PE
Voltage Range	90~280±3Vac (normal mode); 170~280±3 Vac(UPS mode)
Frequency	50 / 60Hz (Auto Adaptive)
AC Output	
Rated Capacity	6000W
Surge Power	12000W
Voltage	208 / 220 / 230 / 240Vac
Power Factor	1
Frequency	50/60Hz±0.1%
Switch Time	10ms
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%~110%; 10s@110%~130%; 3s@130%~150%; 0.2s@>150%;
Max. Efficiency (Battery Mode)	93%@48Vdc
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input current/power	19A+19A/9000W
MPPT Range@Operating Voltage	80~520Vdc
Max PV Open Circuit Voltage	500Vdc
Max PV Charge Current	120A
Max AC Charge Current	120A
Max. Charge Current (PV + AC)	120A
Battery	
Rated Voltage	51.2V
Rated Energy	16KWh(0.5C, 25°C)
Max.Charge/Discharge Current	100A/150A
Operation Voltage Range	40.5Vdc~54.5Vdc
Operation Temperature	-10°C ~ +50°C
Interface	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (built-in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C- 50 °C
Relative Humidity	5% ~ 95% (No-condensing)
Storage Temperature	-15 °C- 60 °C
Max. Operating Altitude	4000m (Derating above 1000m)
Product Dimensions	430mm*480mm*736mm
Packaging Dimensions	510mm*540mm*796mm
Net Weight	136 kg
Gross Weight	153 kg