

IP21 All-in-one ESS Series



OCE-AIO3605

3.6kW/5kWh 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-AIO3605
AC Input	
Rated Input Voltage	208 / 220 / 230 / 240Vac; L + N + PE
Voltage Range	90~280±3Vac (normal mode); 170~280±3Vac (UPS mode)
Frequency	50 / 60Hz (Auto Adaptive)
AC Output	
Rated Capacity	3600W
Surge Power	7200W
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)	92.7%@24Vdc
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input current/power	18A/ 5000W
MPPT Range@Operating Voltage	40~450Vdc
Max PV Open Circuit Voltage	500Vdc
Max PV Charge Current	100A
Max AC Charge Current	100A
Max. Charge Current (PV + AC)	100A
Battery	
Rated Voltage	25.6Vdc
Rated Energy	5KWh(0.5C, 25°C)
Cell	200Ah*8
Max.Charge/Discharge Current	75A/150A
Operation Voltage Range	20Vdc~29.2Vdc
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	445mm*240mm*668mm
Packaging Dimensions	525mm*300mm*718mm
Net Weight	70 kg
Gross Weight	74 kg