



| Model                                                                        | Inverter                                                                                                                      |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| AC mode                                                                      |                                                                                                                               |
| Rated input voltage                                                          | 220/230Vac                                                                                                                    |
| Input voltage range                                                          | (170Vac~280Vac)±2%@UPS                                                                                                        |
| Frequency                                                                    | 50Hz/60Hz ( Auto detection)                                                                                                   |
| Efficiency                                                                   | > 95%                                                                                                                         |
| Conversion time (bypass and inverter)                                        | 10ms (typical )                                                                                                               |
| Maximum bypass overload current                                              | 16A                                                                                                                           |
| Inverter mode                                                                |                                                                                                                               |
| Output voltage waveform                                                      | Pure Sine Wave                                                                                                                |
| Rated output power                                                           | 1600VA / 1600W                                                                                                                |
| Rated output voltage                                                         | 230Vac                                                                                                                        |
| Output frequency range                                                       | 50Hz±0.3Hz/60Hz±0.3Hz                                                                                                         |
| Maximum Efficiency                                                           | >93%                                                                                                                          |
| Battery voltage range                                                        | 26.0Vdc~37Vdc±0.6Vdc (Undervoltage alarm/shutdown voltage/overvoltage alarm / overvoltage recovery... settable on LCD screen) |
| AC charging                                                                  |                                                                                                                               |
| Battery type                                                                 | lithium battery                                                                                                               |
| Maximum charge current(可设 can be set)                                        | 40A                                                                                                                           |
| Charge current error                                                         | ±3Adc                                                                                                                         |
| Charge voltage range                                                         | 184Vac~253Vac                                                                                                                 |
| PV charging                                                                  |                                                                                                                               |
| Maximum PV open circuit voltage                                              | 108Vdc                                                                                                                        |
| PV operating voltage range                                                   | 10Vdc~108Vdc                                                                                                                  |
| MPPT voltage range                                                           | 10Vdc~95Vdc                                                                                                                   |
| Maximum PV input power/current                                               | 800W×3 / 20A×3                                                                                                                |
| PV charging current range (can be set)                                       | 0~60A(20A*3)                                                                                                                  |
| Hybrid charging Max charger current specifications (AC Charger + PV Charger) |                                                                                                                               |
| Max charger current( can be set)                                             | 0~80A                                                                                                                         |
| Structural shape                                                             |                                                                                                                               |
| Product Dimensions                                                           | 438mm*360mm*156mm                                                                                                             |
| Packaging Dimensions                                                         |                                                                                                                               |
| Net Weight                                                                   | 12.1kg                                                                                                                        |
| Gross Weight                                                                 | 15kg ( wheel-free)                                                                                                            |

| Model                                   | Battery           |
|-----------------------------------------|-------------------|
| Case design                             | 538mm*460mm*226mm |
| Battery Type                            | LiFePO4           |
| Normal Battery Voltage                  | 32V               |
| Normal Capacity (25°C 0.2C)             | 100Ah             |
| Normal Capacity (25°C 0.2C)             | 3200Wh            |
| Operation Voltage range                 | 25.0~36.5V        |
| Max Continuous Charge/Discharge Current | 50A / 100A        |
| Max Pulse Discharge Current             | 150A 1sec         |
| IP degree                               | IP65              |
| Safety standard                         | UN38.3,MSDS       |
| Communication                           | CAN,RS485         |
| Structural shape                        |                   |
| Product Dimensions                      | 438mm*360mm*212mm |
| Packaging Dimensions                    | 500mm*440mm*295mm |
| Net Weight                              | 32.4kg            |
| Gross Weight                            | 34.4kg            |

| Environmental parameters |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Operating temperature    | -25°C ~ 60°C                                                          |
| Operating humidity       | 0~98%(no condensation)External                                        |
| Heat dissipation method  | Fan                                                                   |
| Noise (dB,@1 m)          | <45dB                                                                 |
| Protection class         | IP65                                                                  |
| Protection               | Overcharge ,Overdischarge ,Overcurrent ,Shortcircuit ,Overtemperature |

# OCE-AONE1600

## 1.6kW/3.2kWh All-in-one ESS Series

 Bidirectional inverter

 IP65 outdoor protection

 Plug-and-play all-in-one

 Stackable installation

 <20 ms UPS backup

 App monitoring & control