

# PowerEco-50kW/100kWh

Australian Certification

Application Field:  
Microgrids, Industrial Parks,  
Industrial Zones



Flexible Expansion, Multi-functional  
in One Unit, Adaptable to Various  
Application Scenarios



Multiple Protection  
Systems



Highly Integrated Design  
with AC/DC Integration



Touchscreen Monitoring  
and Cloud-Based  
Maintenance

| Parameters/ Model          |                                   | PowerEco-50kW/100kWh                   |
|----------------------------|-----------------------------------|----------------------------------------|
| PV side<br>Parameters      | Number of PV Inputs               | 1 Channel                              |
|                            | PV Input Voltage                  | 300~850V                               |
|                            | PV Maximum Input Current          | 200A                                   |
|                            | MPPT Power                        | 50kW                                   |
| AC Grid-tied<br>Parameters | Maximum Input Apparent Power      | 50kVA                                  |
|                            | Maximum Input Active Power        | 50kW                                   |
|                            | Rated Input Voltage               | 220/380V,3P4W+PE                       |
|                            | Maximum Continuous Input Current  | 86A                                    |
|                            | Rated Input Frequency             | 50Hz                                   |
| AC Off-grid<br>Parameters  | AC Off-Grid Voltage               | 220/380, 3P4W+PE                       |
|                            | Maximum Continuous Output Current | 86A                                    |
|                            | AC Off-Grid Frequency             | 50Hz                                   |
| Battery<br>Parameters      | Battery Type                      | LFP                                    |
|                            | Rated Energy Capacity             | 103KWh                                 |
|                            | Nominal Voltage                   | 345.6V                                 |
|                            | Operating Voltage Range           | 302~378V                               |
|                            | C-Rate                            | ≤0.5C                                  |
| System level<br>Parameters | HMI                               | 7-inch LCD Touchscreen                 |
|                            | Fire Protection System            | Perfluorohexanone Fire Suppression     |
|                            | Cooling System                    | Air Cooling                            |
|                            | Operating Temperature             | 0~55°C                                 |
|                            | IP Rating                         | IP54                                   |
|                            | Dimensions (W*D*H)                | 900*1300*2300mm                        |
|                            | Weight                            | <1800Kg                                |
|                            | Certification                     | IEC62619、IEC62040、CE-EMC、CE-LVD、CE-RED |



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