

## PowerRoller Balcony



- IceVortex Battery replacement Technology  
The self-developed plug-and-play design makes battery replacement as easy as playing with LEGO.
- “SURGE” the ultra-fast external charge , self-developed ApolloGrid TsunamiCharge™ technology , delivering a full output power up to 10kW.
- Featuring fluid dynamic-inspired design with related IP65 (dust-tight and protected against low-pressure water jets)

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| Model                                  | Power Roller Balcony             |
|----------------------------------------|----------------------------------|
| <b>PV Input</b>                        |                                  |
| Maximum PV Array Power                 | 500Wp                            |
| Maximum Input Voltage                  | 60V                              |
| Rated Input Voltage                    | 40V                              |
| Minimum Input Voltage                  | 16V                              |
| Number of MPPTs                        | 2                                |
| Maximum Input Current per MPPT         | 20A                              |
| Minimum short-circuit current per MPPT | 25A                              |
| <b>DC Side</b>                         |                                  |
| Rated Input Voltage                    | 28.8V                            |
| Rated Input Voltage (repeated)         | 25.6V                            |
| Minimum Input Voltage                  | 20V                              |
| Maximum Charging Current               | 60A                              |
| Rated Discharging Current              | 80A                              |
| Ripple                                 | ≤2%                              |
| <b>AC Side</b>                         |                                  |
| Rated Output Power                     | 2kW                              |
| Output Overload Power                  | 2.2kW                            |
| Grid-Tied Output Power                 | 0.8kW                            |
| Rated Output Voltage                   | 220/230V                         |
| Output Frequency                       | 50/60Hz                          |
| Total Harmonic Distortion (THD)        | ≤3%                              |
| Power Factor                           | ≥99%                             |
| <b>Other Specifications</b>            |                                  |
| Exterior Color                         | Silver UV coating + PANTONE 426C |
| Dimensions (LxWxH) (mm)                | 324*300*552                      |
| Weight (excluding battery)             | < 16kg                           |
| Operating Temperature Range            | -20 °C~ +40°C                    |
| Storage Temperature Range              | -40 °C~ +60 °C                   |
| Maximum Relative Humidity              | 95%RH                            |
| Protection Rating (per IEC 60529)      | IP65                             |
| Cooling Method                         | Intelligent air cooling          |
| Maximum Operating Altitude             | 3000 m                           |
| Certifications                         | CE                               |