

51.2V/314Ah/16.076kWh

# PowerShield Pro

## FEATURES

- DC Breaker built-in.
- Parallel up to 50 modules.
- 8000 cycle life, 10 year warranty.
- Auto addressing when parallel.
- Wide range inverter compatibility.
- 0.5C rate continuous charge/discharge.
- Handy monitor & flexible remote upgrade.
- Second level protection, robust applications.
- Smart BMS management for longer lifespan.
- Quality design for robust applications.
- Heating system built in, designed for outdoor use.
- Fire suppression built in, wheels or foot brackets options.

**Half**  
Continuous Power

**10**  
Year Warranty

**50**  
Units Stackable

**65**  
IP65 for Outdoor Use

| Model Name                        |                                                                                                                                                           | PowerShield Pro |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Cell Type                         | LFP                                                                                                                                                       |                 |
| Rated Energy                      | 16.076kWh                                                                                                                                                 |                 |
| Rated Capacity                    | 314Ah                                                                                                                                                     |                 |
| Rated Voltage                     | 51.2V                                                                                                                                                     |                 |
| Charge Voltage (Vdc)              | 57.2V                                                                                                                                                     |                 |
| Battery Charge Current(A)         | 157 (max continuous)                                                                                                                                      |                 |
|                                   | 165 (start limit current to 10A, retest every 10 minutes)                                                                                                 |                 |
|                                   | 180 (peak1 15S), 200 (peak2 500ms)                                                                                                                        |                 |
| Battery Discharge Current(A)      | 157 (max continuous)                                                                                                                                      |                 |
|                                   | 205 (start giving over-current alarm but not stop discharging)                                                                                            |                 |
|                                   | 210 (peak1 120S), 220 (peak2 500ms)                                                                                                                       |                 |
| Parallel                          | Up to 50 units parallel w/o extra device needed, 256 units parallel with hub, slave battery dropoffline or come back alive does not affect system running |                 |
| IP Level                          | IP65                                                                                                                                                      |                 |
| Dimension(W*D*H,mm)               | 419.5*230*914.5mm                                                                                                                                         |                 |
| Weight                            | 119Kg                                                                                                                                                     |                 |
| Communication                     | CAN/RS485                                                                                                                                                 |                 |
| Robust Applications               | Auto-addressing and stronger protection                                                                                                                   |                 |
| DOD                               | 90%                                                                                                                                                       |                 |
| Cycle Life                        | 8000                                                                                                                                                      |                 |
| Compatible Inverter               | Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must                                                                        |                 |
| Humidity                          | 5%~85% RH (No condensation)                                                                                                                               |                 |
| Work Charge/Discharge Temperature | 0 °C ~ +55 °C / -20 °C ~ +55 °C                                                                                                                           |                 |
| Remote Maintenance                | Flexible remote upgrade,                                                                                                                                  |                 |
|                                   | Original firmware backup to prevent upgrade failure                                                                                                       |                 |
| Warranty *                        | 10 year, 6000 cycles (*Conditions apply, refer to HINAESS Limited Warranty Terms)                                                                         |                 |
| Certification                     | CE UN38.3 IEC62619                                                                                                                                        |                 |
| Protection                        | Over charge/discharge/current/voltage/temperature protection                                                                                              |                 |
|                                   | Short circuit protection/Reverse connection protection/Charge balance/Low SOC protection                                                                  |                 |

\*@ 25°C, 90% Dod, 0.5C testing condition



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**Together**  
For a Blue Future