

# Power Swift Series

AI-Powered Battery Safety Detection and Customer Service



- ✓ Max. 10 Sets in Parallel
- ✓ Advanced BMS Control for Superior System Management
- ✓ Automatic Master-Slave Recognition for Seamless Integration
- ✓ Multi-Parallel Configuration across Battery Clusters
- ✓ Comprehensive Communication Interface for Inverters and EMS

## Battery Module



|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Model                           | H051100-A                                       |
| C-rate                          | 1C                                              |
| Max. Charge / Discharge Current | 100 A                                           |
| Operating Temperature           | -15 °C ~ 55 °C / 5 °F ~ 131 °F                  |
| Humidity                        | 5% to 95% (non-condensing)                      |
| IP Rating                       | IP20                                            |
| Weight                          | ~99.2 lbs / ~45 kg                              |
| Dimensions (H x W x D)          | 132x440x530 mm (±5)<br>5.20*17.32*20.87 in (±5) |

## Control Box



|                        |                                                 |
|------------------------|-------------------------------------------------|
| Model                  | HVC-0750-100-C2A                                |
| Max. Current           | 100 A                                           |
| Max. Voltage           | 750 V                                           |
| Communication          | CAN / RS485 / LAN                               |
| Operating Temperature  | -15 °C ~ 55 °C / 5 °F ~ 131 °F                  |
| IP Rating              | IP20                                            |
| Weight                 | ~48.5 lbs / ~22 kg                              |
| Dimensions (H x W x D) | 132x440x530 mm (±5)<br>5.20*17.32*20.87 in (±5) |

## System Parameters

|                                   |                                                                                    |                 |                 |                 |                 |                 |                 |
|-----------------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Cell Type                         |                                                                                    | LiFePO4         |                 |                 |                 |                 |                 |
| Model                             | PSEA-H1<br>-30K                                                                    | PSEA-H1<br>-35K | PSEA-H1<br>-40K | PSEA-H1<br>-45K | PSEA-H1<br>-50K | PSEA-H1<br>-55K | PSEA-H1<br>-60K |
| Battery Module Quantity           | 6                                                                                  | 7               | 8               | 9               | 10              | 11              | 12              |
| Rated Voltage (Vdc)               | 307.2                                                                              | 358.4           | 409.6           | 460.8           | 512.0           | 563.2           | 614.4           |
| Rated Capacity                    | 100 Ah                                                                             |                 |                 |                 |                 |                 |                 |
| Max. Parallel Quantity            | 10 sets, 610 kWh                                                                   |                 |                 |                 |                 |                 |                 |
| Rated Current (Recommended)       | 50 A, 0.5C                                                                         |                 |                 |                 |                 |                 |                 |
| Max. Continuous Discharge Current | 100 A, 1C                                                                          |                 |                 |                 |                 |                 |                 |
| Dimensions (W*D*H), without Feet  | 630*655*2,070 mm (±5) / 24.80*25.79*81.50 in (±5)                                  |                 |                 |                 |                 |                 |                 |
| Operating Temperature             | Charge: 0 °C ~ 55 °C / 32 °F ~ 131 °F<br>Discharge: -15 °C ~ 55 °C / 5 °F ~ 131 °F |                 |                 |                 |                 |                 |                 |
| Storage Temperature               | -15 °C ~ 55 °C / 5 °F ~ 131 °F                                                     |                 |                 |                 |                 |                 |                 |
| Altitude                          | < 3,000 m / 9,843 ft                                                               |                 |                 |                 |                 |                 |                 |
| Communication                     | CAN / RS485 / ETH / Dry Contact                                                    |                 |                 |                 |                 |                 |                 |
| Cycle Life                        | 6,000 cycles                                                                       |                 |                 |                 |                 |                 |                 |
| Warranty <sup>[1]</sup>           | 10-Year                                                                            |                 |                 |                 |                 |                 |                 |
| IP Rating                         | IP20                                                                               |                 |                 |                 |                 |                 |                 |
| Certification                     | TUV / IEC 62619 / CE-IEC 61000 / UN 38.3                                           |                 |                 |                 |                 |                 |                 |

[1] Working condition: 0.5C @ 25 °C, 90% DoD.