

EQ5000

HIGH VOLTAGE STORAGE BATTERY

The EQ is a high-performance, scalable battery storage system. Its modular design enables maximum flexibility, making it suitable for a wide range of storage applications.

Additional batteries can be installed in series, allowing for a maximum storage capacity of 29.52kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



- 4.92kWh capacity
- Scalable to 29.52kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN communication



**HIGH
VOLTAGE**



**EASY
INSTALLATION**



**HIGH
EFFICIENCY**



**EXPANDABLE
SYSTEM**



**90%
DOD**



TECHNICAL SPECIFICATIONS

| MODEL | EQ5000 -L2 | EQ5000 -L3 | EQ5000 -L4 | EQ5000 -L5 | EQ5000 -L6 |
|--|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ELECTRICAL CHARACTERISTICS | | | | | |
| Battery Type | LFP (LiFePO ₄) | | | | |
| Battery Module | 1*EQ5000-M 1*EQ5000-S | 1*EQ5000-M 2*EQ5000-S | 1*EQ5000-M 3*EQ5000-S | 1*EQ5000-M 4*EQ5000-S | 1*EQ5000-M 5*EQ5000-S |
| Nominal Capacity [kWh] | 9.84 | 14.76 | 19.68 | 24.60 | 29.52 |
| Nominal Voltage [V] | 128.0 | 192.0 | 256.0 | 320.0 | 384.0 |
| Operating Voltage [V] | 116.0 ~ 146.0 | 174.0 ~ 219.0 | 232.0 ~ 292.0 | 290.0 ~ 365.0 | 348.0 ~ 438.0 |
| Recommend Discharge Current [A] | 38.5 | | | | |
| Max. Charge/Discharge Current [A]*1 | 50 | | | | |
| Peak Discharge Current [A] | 65 @60sec | | | | |
| Battery Pack Round-Trip Efficiency [%] | >95 | | | | |
| Depth of Discharge [%] | 90 | | | | |
| Communication | CAN | | | | |
| Display | EQ5000-S: LED*1, EQ5000-M: LED*6 | | | | |
| Scalability | Max. 6 Modules in Series | | | | |
| OPERATING CONDITIONS | | | | | |
| Installation Location | Outdoor/ Indoor | | | | |
| Operating Temperature [°C] | Charge: 0 ~ 55, Discharge: -10 ~ 55 | | | | |
| Operating Temperature [°C] (warm up function on, optional) | Charge: -25 ~ 55, Discharge: -25 ~ 55 | | | | |
| Storage Temperature [°C] | -10 ~ 50 | | | | |
| Cooling Method | Natural Convection | | | | |
| Humidity [%] | 5 ~ 95 (No Condensation) | | | | |
| Altitude [m] | Max. 3,000 | | | | |
| PROTECTION | | | | | |
| Fire Protection Function | YES | | | | |
| MECHANICAL CHARACTERISTICS | | | | | |
| Dimensions (W*H*D) [mm] | 570*380*380 | 570*515*380 | 570*650*380 | 570*785*380 | 570*920*380 |
| Weight [kg] | 86 | 127 | 168 | 209 | 250 |
| Cell Net Weight [kg] | 56.3 | 84.5 | 112.6 | 140.8 | 168.9 |
| CERTIFICATES | | | | | |
| Safety | IEC 62619 | | | | |
| EMC | IEC 61000-6-1/2/3/4 | | | | |
| Transportation | UN38.3 | | | | |
| Ingress Protection | IP65 | | | | |

*1 The current is affected by temperature, cell voltage and SOC.