

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
- Wide operating temperature range
- CAN communication



**HIGH
VOLTAGE**



**EASY
INSTALLATION**



**HIGH
EFFICIENCY**



**EXPANDABLE
SYSTEM**



**90%
DOD**



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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 Energy [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 (60S) [A]	65				
Battery Pack Round-Trip Efficiency [%] ^{*2}	>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] ^{*3}	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.

*2 @25°C, 0.3C charging/discharging.

*3 Charge and discharge power reduction applies at low temperatures.