



### BATTERY STORAGE OF THE NEXT GENERATION

# NGEN HIGH VOLTAGE BATTERY

The EP12 is a powerful, scalable battery storage system that offers maximum flexibility and can be used for a wide range of storage applications thanks to its compact design in a single housing.

Thanks to the unique option of installing EP12 batteries in parallel, a maximum storage capacity of 46.08 kWh can be achieved with just one inverter (H1, H3 or H3 PRO).



- Scalable to 46.08 kWh
- 90% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level
- High Efficiency due to High Voltage



EXPANDABLE  
SYSTEM



EASY  
INSTALLATION



10 YEAR  
WARRANTY



HIGH  
EFFICIENCY



90% DEPTH  
OF DISCHARGE

| Model                                  | STAR-EP12                                        |
|----------------------------------------|--------------------------------------------------|
| <b>ELECTRICAL CHARACTERISTICS</b>      |                                                  |
| Compatible PCS                         | All Series of H1, H3, H3-Pro                     |
| Battery Type                           | LifePO4 Prismatic Cell                           |
| Nominal Energy [kWh]                   | 11.52                                            |
| Nominal Voltage [V]                    | 384                                              |
| Operating Voltage Range [V]            | 348 - 438                                        |
| Max.Charge/Discharge Current [A]       | 30                                               |
| Recommend Charge Current [A]           | 15                                               |
| Peak Discharge Current [A]             | 65 @60s                                          |
| Battery Pack Round-Trip Efficiency [%] | ≥95                                              |
| Depth of Discharge [%]                 | 90                                               |
| Cycle Life                             | ≥4000                                            |
| Communication                          | CAN                                              |
| Display                                | LED*5                                            |
| Scalability                            | Max. 4 Units in Parallel *                       |
| <b>OPERATING CONDITIONS</b>            |                                                  |
| Installation Location                  | Outdoor / Indoor                                 |
| Operating Temperature [°C]             | Charge: from 0 to 55 / Discharge: from -10 to 55 |
| Storage Temperature [°C]               | from -10 to 40                                   |
| Cooling Method                         | Natural Convection                               |
| Humidity [%]                           | from 5 to 95 (No Condensing)                     |
| Altitude [m]                           | Max. 2.000                                       |
| Warranty                               | Standard 5 / Advanced 10 **                      |
| Protection Degree                      | IP65                                             |
| <b>MECHANICAL CHARACTERISTICS</b>      |                                                  |
| Dimensions (W*H*D) [mm]                | 710*640*185                                      |
| Weight [kg]                            | 98                                               |
| <b>CERTIFICATES</b>                    |                                                  |
| Safety                                 | IEC62619                                         |
| EMC                                    | EN IEC 61000-6-1/3                               |
| Transportation                         | UN38.3                                           |

\*Possible only in combination with STAR-EP11.1 or STAR-EP12

\*\* Standard Warranty: 5 years or 4000 Cycles / Advanced Warranty: 10 years or 4500 Cycles when the Battery is connected to the Hybrid Inverter and the SG Connect System Solution.



Refer to NGEN STAR Warranty Terms and Conditions