

Q.HOME+ ESS AC-G2 6.5

# Q.HOME+ ESS AC-G2

THE AC-COUPLED  
ENERGY STORAGE SOLUTION



AC INVERTER



LG CHEM  
LITHIUM-ION  
BATTERY



10-YEAR PRODUCT  
WARRANTY



## CAPACITY OPTIMISED FOR HOUSEHOLD APPLICATIONS

The AC-coupled home storage solution, for integration in new and existing solar installations. The system can communicate directly with the most common PV inverters in the market.



## INTELLIGENT DESIGN

Lean design for quick and easy installation, system with AC inverter and powerful lithium-ion battery.



## ENERGY MANAGEMENT

The integrated energy management system enables a complete overview of energy production and self-consumption.



## SAFETY

High-quality lithium-ion battery with integrated battery management from LG Chem.



## TREMENDOUS DURABILITY

Thanks to a product guarantee of 10 years and retention of at least 80% of the original battery capacity after 10 years.



## BACKUP POWER FUNCTION

Thanks to the integrated backup power function, the electricity stored in the battery can also be used at the backup socket in the event of a power failure (230 V / 9 A).

## THE IDEAL SOLUTION FOR:



Private  
rooftop arrays

Engineered in Germany

**Q CELLS**

## TECHNICAL SPECIFICATIONS

| GENERAL PRODUCT INFORMATION                           |            | Q.HOME <sup>®</sup> ESS AC-G2  |
|---|------------|--|
| Manufacturer  |            | Eguana Technologies Inc.   |
| Dimensions (W × H × D)                                | [mm]       | 539 × 1236 × 231   |
| Weight (including battery) / Weight (without battery) | [kg]       | 96 / 52  |
| Ambient temperature                                   | [°C]       | -10 ~ 45   |
| Recommended operating temperature range               | [°C]       | 15 ~ 30  |
| Relative air humidity                                 | [%]        | 95   |
| Efficiency peak / Average                             | [%]        | 96 / 94.5  |
| Protection degree / Protection class                  |            | IP21   |
| Galvanic isolation                                    |            | Transformer  |
| Assembly  |            | Standing unit with wall mounting   |
| Maximum operating height without power loss           | [m]        | 2000   |
| System cooling  |            | Active (fan, thermal control)  |
| Product guarantee / Performance guarantee             |            | 10 / 10 years  |
| Overvoltage category                                  |            | III  |
| Internal consumption standby / In operation           | [W]        | 8 / 30   |
| Display   |            | LED: Battery SOC, grid connection state, service state                   |
| Communication   |            | LAN  |
| Remote monitoring                                     |            | Web, mobile  |
| EMS software update                                   |            | Internet update  |
| Energy management system                              |            | Inclusive and integration friendly                                       |
| Energy meter  |            | Inclusive and integration friendly                                       |
| GRID DATA (INVERTER)                                  |            |  |
| Inverter model name                                   |            | Eguana Bidirex B3048   |
| Rated power   | [kW]       | 3  |
| Maximum apparent power                                | [kVA]      | 3  |
| Rated voltage / Rated voltage range                   | [V]        | 230 / 183 ~ 265  |
| Rated frequency / Frequency range                     | [Hz]       | 50 / 45 ~ 52   |
| Feeding phases / Connection phases                    |            | 1 / 1  |
| Rated current / Maximum current                       | [A]        | 13 / 13  |
| Maximum overcurrent protection                        | [A]        | 16   |
| Power factor range                                    |            | 0.8 ~ 1 ~ 0.8  |
| Maximum AC input power                                | [kW]       | 3  |
| Maximum AC input current                              | [A]        | 13   |
| DC ground fault monitoring                            |            | Yes  |
| BATTERY DATA (DIRECT CURRENT)                         |            |  |
| Manufacturer  |            | LG Chem  |
| Battery model name                                    |            | LG Chem EM048126P3S7 series  |
| Battery technology                                    |            | Lithium-ion, nickel-manganese-cobalt                                     |
| Cell type   |            | Pouch cell technology  |
| Battery capacity                                      | [kWh]      | 6.5  |
| Usable battery capacity                               | [kWh]      | 6.1  |
| Rated battery voltage / Rated voltage range           | [Vdc]      | 48 / 42.0 ~ 58.5   |
| Max. charge current / Max. discharge current          | [Adc]      | 63 / 63  |
| Depth of discharge (DoD)                              | [%]        | 94   |
| BACKUP POWER OUTPUT (ALTERNATING CURRENT)             |            |  |
| Rated apparent power / Rated power                    | [kVA / kW] | 2  |
| Rated voltage   | [V]        | 230  |
| Rated current   | [A]        | 9  |
| Switchover time to backup power                       |            | 4 seconds  |
| CERTIFICATIONS AND APPROVALS                          |            |  |
| System model name                                     |            | Q.HOME <sup>®</sup> ESS AC-G2  |
| Certifications and approvals                          |            | IEC 61000-6-3, IEC 61000-6-2, VDE DIN-AR-4105, IEC 62109-1/-2, IEC 62040 |

**NOTE:** Follow the installation manual. Read the installation and operation manual or contact our technical customer service department for further information on the approved installation and use of this product.

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