



Our stackable battery is designed to work alongside the GivEnergy 3-Phase Hybrid Inverter.

High voltage BMS allows for greater charge and discharge power running at a lower current, providing higher efficiency than our lesser voltage range.



#### Remote Firmware

Control and monitor your Smart System on the move via our GivEnergy Monitoring App and Portal.



#### IP65 Rating

Our IP65 rated enclosure gives protection against water and dust. Ideal for lofts and outdoor installation.



#### 12 Year Warranty

Supplied with a full manufacturer's warranty. Our UK team are on hand to help you should any issues arise.



#### Stackable Design

Need a larger capacity? Modular design allows for multiple units to be installed in parallel.



#### High Voltage

High voltage BMS allows for higher increased efficiency in charge and discharging.

## Stackable Batteries HV

### GIV-BAT-20.4-HV

#### SPECIFICATIONS

|                                          |                                                 |
|------------------------------------------|-------------------------------------------------|
| Qty. of Batteries                        | 6                                               |
| Dimensions                               | 1085H x 380D x 480W (mm)                        |
| Weight                                   | 226.3Kg                                         |
| Capacity                                 | 20.4 kWh / 51 Ah                                |
| Voltage                                  | 460VDC                                          |
| Max. Current*                            | 25A                                             |
| Technology                               | LiFePO <sub>4</sub> Cell                        |
| IP Grade                                 | IP65                                            |
| BMS                                      | Robust Multi Point Monitoring BMS Pre Installed |
| Life Cycling (Optimal: 100% DOD at 25°C) | 12 Years                                        |
| Charging Temperature                     | 0°C - 55°C                                      |
| Discharging Temperature                  | -10°C - 55°C                                    |
| Storage Temperature                      | -30°C - 60°C                                    |
| Warranty BTT                             | Unlimited Cycles / 12 Years                     |
| Standard                                 | UN 38.3, IEC61000                               |
| Standard Charge/Discharge                | 0.5C                                            |

#### ELECTRICAL PARAMETERS

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Operating Voltage Range             | 200 - 600V                               |
| Maximum Charging Voltage            | 525V                                     |
| Max. Charging / Discharging Current | 25A / 25A                                |
| Communication Protocols             | CAN BUS                                  |
| Advantages                          | Stackable, BMS Upgradeable, IP65         |
| Depth of Discharge                  | 100%                                     |
| Kit Contents                        | 6 x GIV-BAT-3.4-HV<br>1 x GIV-BAT-HV-KIT |

\*Maximum current may vary depending on inverter model.

## GIV-BAT-17.0-HV

## SPECIFICATIONS

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| Qty. of Batteries                           | 5                                               |
| Dimensions                                  | 935H x 380D x 480W (mm)                         |
| Weight                                      | 190.8Kg                                         |
| Capacity                                    | 17.0 kWh / 51 Ah                                |
| Voltage                                     | 384VDC                                          |
| Max. Current*                               | 25A                                             |
| Technology                                  | LiFePO <sub>4</sub> Cell                        |
| IP Grade                                    | IP65                                            |
| BMS                                         | Robust Multi Point Monitoring BMS Pre Installed |
| Life Cycling<br>(Optimal: 100% DOD at 25°C) | 12 Years                                        |
| Charging Temperature                        | 0°C - 55°C                                      |
| Discharging Temperature                     | -10°C - 55°C                                    |
| Storage Temperature                         | -30°C - 60°C                                    |
| Warranty BTT                                | Unlimited Cycles / 12 Years                     |
| Standard                                    | UN 38.3, IEC61000                               |
| Standard Charge/Discharge                   | 0.5C                                            |

## ELECTRICAL PARAMETERS

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Operating Voltage Range             | 200 - 600V                               |
| Maximum Charging Voltage            | 438V                                     |
| Max. Charging / Discharging Current | 25A / 25A                                |
| Communication Protocols             | CAN BUS                                  |
| Advantages                          | Stackable,<br>BMS Upgradeable, IP65      |
| Depth of Discharge                  | 100%                                     |
| Kit Contents                        | 5 x GIV-BAT-3.4-HV<br>1 x GIV-BAT-HV-KIT |

## GIV-BAT-13.6-HV

## SPECIFICATIONS

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| Qty. of Batteries                           | 4                                               |
| Dimensions                                  | 785H x 380D x 480W (mm)                         |
| Weight                                      | 155.3Kg                                         |
| Capacity                                    | 13.6 kWh / 51 Ah                                |
| Voltage                                     | 307VDC                                          |
| Max. Current*                               | 25A                                             |
| Technology                                  | LiFePO <sub>4</sub> Cell                        |
| IP Grade                                    | IP65                                            |
| BMS                                         | Robust Multi Point Monitoring BMS Pre Installed |
| Life Cycling<br>(Optimal: 100% DOD at 25°C) | 12 Years                                        |
| Charging Temperature                        | 0°C - 55°C                                      |
| Discharging Temperature                     | -10°C - 55°C                                    |
| Storage Temperature                         | -30°C - 60°C                                    |
| Warranty BTT                                | Unlimited Cycles / 12 Years                     |
| Standard                                    | UN 38.3, IEC61000                               |
| Standard Charge/Discharge                   | 0.5C                                            |

## ELECTRICAL PARAMETERS

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Operating Voltage Range             | 200 - 600V                               |
| Maximum Charging Voltage            | 350V                                     |
| Max. Charging / Discharging Current | 25A / 25A                                |
| Communication Protocols             | CAN BUS                                  |
| Advantages                          | Stackable,<br>BMS Upgradeable, IP65      |
| Depth of Discharge                  | 100%                                     |
| Kit Contents                        | 4 x GIV-BAT-3.4-HV<br>1 x GIV-BAT-HV-KIT |

## GIV-BAT-10.2-HV

## SPECIFICATIONS

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| Qty. of Batteries                           | 3                                               |
| Dimensions                                  | 635H x 380D x 480W (mm)                         |
| Weight                                      | 119.8Kg                                         |
| Capacity                                    | 10.2 kWh / 51 Ah                                |
| Voltage                                     | 230VDC                                          |
| Max. Current*                               | 25A                                             |
| Technology                                  | LiFePO <sub>4</sub> Cell                        |
| IP Grade                                    | IP65                                            |
| BMS                                         | Robust Multi Point Monitoring BMS Pre Installed |
| Life Cycling<br>(Optimal: 100% DOD at 25°C) | 12 Years                                        |
| Charging Temperature                        | 0°C - 55°C                                      |
| Discharging Temperature                     | -10°C - 55°C                                    |
| Storage Temperature                         | -30°C - 60°C                                    |
| Warranty BTT                                | Unlimited Cycles / 12 Years                     |
| Standard                                    | UN 38.3, IEC61000                               |
| Standard Charge/Discharge                   | 0.5C                                            |

## ELECTRICAL PARAMETERS

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Operating Voltage Range             | 200 - 600V                               |
| Maximum Charging Voltage            | 262V                                     |
| Max. Charging / Discharging Current | 25A / 25A                                |
| Communication Protocols             | CAN BUS                                  |
| Advantages                          | Stackable,<br>BMS Upgradeable, IP65      |
| Depth of Discharge                  | 100%                                     |
| Kit Contents                        | 3 x GIV-BAT-3.4-HV<br>1 x GIV-BAT-HV-KIT |