

BCube[®] Compact 2.0



Power:

100 kW– 290 kW*

Capacity:

233 kWh - 292 kWh



*Configurable power at 1:2 (0.5P) or 1:1 (1P) ratios

- More Energy Availability in a Smaller Footprint
- Intelligent Climate Control and Thermal Insulation System
- Compatible with Diverse Inverters and DC Couplings



Modularity & Flexibility



Plug&Play

Quick and Easy Installation



Expert and Accessible Support and Advice



EMS-BHive[©] Integrados



Reinforced Security



24/7 Monitoring with alarms

Datasheet BCube Compact 2.0

BATTERY

| | 233k | 292k |
|--|------------------------------|--------------------|
| Nominal Capacity | 233 kWh | 292 kWh |
| Nominal Current | 146 A standard version(0.5C) | |
| Maximum Current | 292 A version 1C | |
| Nominal Voltage | 799 Vdc | 1000 Vdc |
| Voltage Range (CC) | 670 Vdc - 907 Vdc | 837 Vdc - 1134 Vdc |
| DoD | 90% | |
| Estimated Cycle Life 0.5C/85% DoD/25°C | >7000 cycles | |

ENCLOSURE

| | | |
|-------------------------------------|-----------------------|---------|
| Weight | 2300 kg | 2500 kg |
| Dimensions (Height x Width x Depth) | 2482 X 1080 X 1420 mm | |
| IP Rating | IP55 | |

GENERAL SPECIFICATIONS

| | |
|------------------------------|--|
| Operating Temperature | -30°C, +50°C |
| Relative Humidity | 0 – 100% |
| Corrosion Grade | C3 (Optional C4) |
| Storage Temperature Range | +10°C, +30°C |
| Pollution Degree Requirement | PD3 - Outdoor |
| Battery Management System | SIL 2 (IEC 61508) |
| Energy Management System | BHive® integrated |
| EMC Category | A |
| Installation | Indoor and Outdoor |
| Fire Suppression System | Smoke and Heat Detector, Condensed Aerosol, Alarm, Water-based Fire Suppression Backup |
| Advanced Security | Gas Leak Detector, Relief Panel and BHive® for Advanced Monitoring |
| Auxiliary Power Supply | UPS >30 min |
| Cooling System | Smart HVAC Controller, R513a |
| Communications Interface | CAN Bus, Modbus TCP, OPC UA |
| Connectivity | Ethernet |

STANDARDS AND CE MARKING

| | |
|--------------------------------------|----------------------------|
| Batería | IEC 62619:2022 UN38.3 |
| EMC 2019/30/UE | IEC61000-6-2, IEC61000-6-4 |
| Baja tensión 2014/35/UE | IEC 62040-1 |
| Exigencias reglamento (UE) 2023/1542 | Art 10, 12, 14, 18 y 73 |