

DATASHEET: ZCS LOW VOLTAGE BATTERIES

ZCS AZZURRO LV ZSX5000 S

Technical data

| | |
|--|---|
| Model | ZCS – AZZURRO LV ZSX5000 S |
| Code | ZST-BAT-5KWH-ZSS |
| Technology | Lithium Iron Phosphate |
| Dimensions (H*W*D) | 681mm*396mm*154.5mm |
| Weight | 45 Kg |
| Protection class | IP65 |
| Mounting | On ground or on wall (bracket included) |
| Connection cable kit with inverter | ZST-CABLE-KIT (not included) |
| Operating temperature while charging | 0°C - +50°C |
| Operating temperature while discharging | -20°C - +60°C |
| Allowable relative humidity range | 5....95% non condensing |
| Maximum operative altitude | 2000m |
| Operating cycles in standard conditions* | >6000 |
| Maximum batteries number to be installed | 4 in parallel |
| Certifications | IEC62619, IEC62040-1, CE, UN 38.3 (updated list on www.zcsazzurro.com) |
| Warranty | 10 years |
| Communication | RS232, RS485, CAN bus |

Capacity data

| | |
|---|---------|
| Nominal capacity of single module | 5.1 kWh |
| Useful capacity of single module (depth of discharge 90%) | 4.6 kWh |
| Nominal voltage | 51.2 V |
| Maximum charge current** | 50A |
| Maximum discharge current** | 50A |
| Maximum depth of discharge | 90% |

** Standard operative conditions for batteries: environment temperature 25°C , humidity 40%, depth of discharge 80%

** The actual charging and discharging currents of the system may be limited by the operating conditions of the battery and by inverters to which the batteries are connected. Please refer to the inverter datasheets for the actual charging and discharging current

