

## DATASHEET: ZCS LOW VOLTAGE BATTERIES

### ZCS AZZURRO LV ZSX5000 S

#### Technical data

Model	ZCS – AZZURRO LV ZSX5000 S
Code	ZST-BAT-5KWH-Z5S
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 <a href="http://www.zcsazzurro.com">www.zcsazzurro.com</a> )
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

