



ZCS AZZURRO LV ZSX5000 PRO

Technical data

Model	ZCS – AZZURRO LV ZSX5000 PRO
Code	ZZT-BAT-5KWH-ZPR
ZCS Azzurro	Lithium Iron Phosphate
Dimensions (H x L x D)	480mm x 590mm x 170mm
Weight	47 Kg
Protection Class	IP20
Mounting	On ground or wall, with bracket included
Inverter connection cable kit	ZST-CABLE-KIT (not included)
Operating temperature range when charging*	0°C - +60°C
Operating temperature range when discharging*	-20°C - +60°C
Allowable relative humidity range	0...95% non-condensing
Maximum operating altitude	2000m
Operating cycles under standard conditions**	>6000
Maximum number of batteries that can 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
Rated voltage	51.2V
Maximum charge current***	100A
Maximum discharge current***	100A
Maximum depth of discharge	90%

* to ensure optimal performance, it is recommended to install the inverter in a temperature-controlled environment between 15°C and 40°C (in temperatures below 15°C, the batteries will automatically protect themselves by limiting the charge current)

** Standard operating conditions for batteries: ambient temperature 25°C, relative humidity 40%, depth of discharge 80%

***The actual charge and discharge currents may be limited by the battery's operating conditions and also by the inverters the batteries are connected to. Please refer to the datasheet of the inverters for the actual charge and discharge current.