

DATASHEET: ZCS LOW VOLTAGE BATTERIES

ZCS Pylontech US5000

Technical data

Model	ZCS – Pylontech US5000
Code	ZST-BAT-5KWH-PL
Technology	Lithium Iron Phosphate
Dimensions (H*W*D)	442mm*420mm*161mm (only battery) 677mm*530mm*280mm (storage box)
Weight	40 Kg
Protection class	IP20
Mounting	On ground or on wall (ZST-STORAGEBOX not included)
Connection cable kit with inverter	ZST-CABLE-KIT (not included)
Operating temperature while charging	0°C - +50°C
Operating temperature while discharging	-10°C - +50°C
Allowable relative humidity range	0....95% non condensing
Maximum operative altitude	2000m
Operating cycles in standard conditions*	>6000
Maximum batteries number to be installed	5 in parallel
Certifications	EN61000-6-3:2007, IEC61000-6-2:2019, 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	4.8 kWh
Useful capacity of single module (depth of discharge 90%)	4.3 kWh
Nominal voltage	48 V
Maximum charge current**	80A
Maximum discharge current**	80A
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

