

ZCS PYLONTECH US5000

General data	
Type	ZCS - Pylontech US5000
Technology	Lithium Iron Phosphate
Dimensions (H*L*W)	442mm*420mm*161mm (only battery); 530mm*677mm*280mm (storage box)
Weight	40Kg
Protection Class	IP20
Mounting	On ground or wall, in storage box
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 under standard conditions *	>6000
Maximum number of batteries that can be installed in parallel on inverters	5
Certifications	TUV, CEI-021, CE, UN 38.3
Warranty	10 years
Communication	RS232, RS485, CAN bus
Capacity data	
Nominal capacity of single module	4.8kWh / 100Ah
Useful capacity of single module (Depth of Discharge 90%)	4.32 kWh
Nominal voltage	48 V
Maximum charge current**	80A
Maximum discharge current**	80A
Maximum Depth of Discharge (DoD)	90%

* Standard operative conditions for batteries: 25°C , 40% humidity, Depth of Discharge (DoD) 80%

** The actual charging and discharging currents of the system may be limited by the inverters to which the batteries are connected, please refer to the inverter datasheets for the actual charging and discharging current

