

ZCS PYLONTECH H48050

General data	
Type	ZCS - Pylontech H48050
Technology	Lithium Iron Phosphate
Dimensions (H*L*W)	440mm*410mm*89mm
Weight	24Kg
Protection Class	IP20
Mounting	On ground, on support structure
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 *	>5000
Maximum number of batteries that can be installed in parallel on inverters	In series: minimum no. of modules: 4 maximum no. of modules: 12
BMS	SC1000-100S (compulsory)
Certifications	TUV, CEI-021, CE, UN 38.3
Warranty	10 years
Communication	RS232, RS485, CAN bus
Cell rebalancing	Automatic (with SOC above 95%)
Capacity data	
Nominal capacity of single module	2.4kWh / 50 Ah
Useful capacity of single module (Depth of Discharge 90%)	2.16kWh
Total Useful capacity (Depth of Discharge 90%)	From 8.64kWh (with 4 modules in series) From 25.92kWh (with 12 modules in series)
Nominal voltage	From 192V (with 4 modules in series) Up to 576 (with 12 modules in series)
Maximum charge current**	25A
Maximum discharge current**	25A
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

