

AZZURRO - BATTERIES FOR STORAGE OR HYBRID SYSTEMS



The **batteries** for **ZCS Azzurro hybrid inverters and storage** systems are the ideal solution for optimising energy independence in residential applications.

Capable of being paralleled up to a capacity of 30kWh, they are ideal for **ZCS Azzurro** storage inverters. They configure themselves automatically, so there is no need for manual settings.

The Lithium Ion or Lithium-Iron-Phosphate technology allows efficient use even at high depths of discharge by optimising energy storage and reuse. Easy installation and long service life make these batteries highly efficient and practical.



WECO BOX



PYLONTECH BOX

SIMPLE AND RELIABLE



- Self-configuring with Azzurro hybrid or storage inverters
 - Service life longer than market standards
- Depth of Discharge up to 90%
 - 5 or 10 year ZCS warranty

SIMPLE INSTALLATION



- Communication cables, power and battery parallel connection cables included
- Floor or wall installation with the brackets supplied
- Possibility of installing additional batteries at any time during the life of the system
 - Total installable capacity of up to 30kWh

DC Input data

Type	ZCS-Weco HeSu4k4	ZCS - Pylontech US2000B PLUS
Technology	Lithium Iron Phosphate	
Dimensions (H x L x D)	560mm (+20mm for support feet) x 480mm x 165mm	440mm x 410mm x 89mm (battery only); 530mm x 677mm x 280mm (storage box with 2 batteries)
Weight	53Kg	24Kg
Protection class	IP20	IP20
Mounting	On ground or wall	On ground or wall, in storage box
Operating temperature when charging	-20°C - +45°C	0°C - +50°C
Operating temperature when discharging	-20°C - +60°C	-10°C - +50°C
Allowable relative humidity range	0....95% non-condensing	0....95% non-condensing
Maximum operating altitude	2000m	2000m
Operating cycles under standard conditions *	7000	>6000
Estimated useful life under standard conditions *	10 years	10 years
Maximum number of batteries that can be installed in parallel on inverters	5	8
Certifications	IEC 61600-6-3: 2017, 61600-3-2:2014, 61000-3-3:2013, 61600-6-2007, CE, UN 38.3	TUV, CEI-021, CE, UN 38.3
Warranty	5 or 10 years	5 or 10 years
Communication	RS232, RS485, CAN bus	RS232, RS485, CAN bus
Cell rebalancing	Automatic, real time	Automatic (with SOC above 95%)
Capacity Data		
Nominal capacity	4.45kWh / 86Ah	2.2kWh / 50Ah
Maximum capacity	4.95kWh	2.4kWh
Depth of Discharge (DoD)	Up to 100% of nominal capacity	80%

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








AS4777 G83/2 G59/3
 CE, CEI 0-21, CQC, IEC, VDE-AR-N4105/VDE-0126, EMC, C10/11, EN50438, RD1669