



DATASHEET: ZCS LOW VOLTAGE BATTERIES

ZCS WECO 5K3 XP

Technical data

Model	ZCS – Weco 5K3 XP
Code	ZZT-BAT-6KWH-WXP
Technology	Lithium Iron Phosphate
Dimensions (H*W*D)	585mm*475mm*170mm
Weight	57.3 Kg
Protection class	IP20
Mounting	On ground or on wall (kit ZST-LV-KIT-XP not included)
Connection cable kit with inverter	ZST-LV-KIT-XP (not included)
Operating temperature while charging *	-2°C - +54°C
Operating temperature while discharging *	-20°C - +65°C
Allowable relative humidity range	0....95% non condensing
Maximum operative altitude	2000m
Operating cycles in standard conditions **	7000
Maximum batteries number to be installed	5 in parallel
Certifications	IEC 61600-6-3: 2017, IEC 61600-3-2:2014, IEC 61600-6-2007, IEC61000-3-3:2013, CE, UN38.3 (updated list on www.zcsazzurro.com)
Warranty	10 years
Communication	RS232, RS485, CAN bus, Wifi & Bluetooth

Capacity data

Nominal capacity of single module	5.8 kWh
Useful capacity of single module (depth of discharge 90%)	5.3 kWh
Nominal voltage	51.2 V
Maximum charge current ***	100A
Maximum discharge current ***	100A
Maximum depth of discharge	90%

* To guarantee maximum performance, installation in a controlled temperature environment between 15°C and 40°C is recommended (below 15°C the batteries protect themselves by limiting the charging current and below 0°C batteries stop charging to let the heating of the modules)

** 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

