

### ZCS WECO HeSu 5k3

General data	
Type	ZCS - Weco HeSu5k3
Technology	Lithium Iron Phosphate
Dimensions (H*L*W)	156mm(+10mm rubber pads)*463mm*580mm
Weight	53Kg
Protection Class	IP20
Mounting	On ground, stackable
Operating temperature while charging	-10°C - +55°C
Operating temperature while discharging	-25°C - +65°C
Allowable relative humidity range	0...95% non-condensing
Maximum operative altitude	2000m
Operating cycles under standard conditions *	7000
Maximum number of batteries that can be installed in parallel on inverters	In series: minimum no. of modules: 4 maximum no. of modules: 11
BMS	Integrated (outer HV-box necessary to protect against high voltage)
Certifications	IEC 61600-6-3: 2017, 61600-3-2:2014, 61000-3-3:2013, 61600-6-2007, CEI 0-21, CE, UN 38.3
Warranty	10 years
Communication	RS232, RS485, CAN bus
Cell rebalancing	Automatic, real time
Capacity data	
Nominal capacity of single module	5.8 kWh
Useful capacity of single module (Depth of Discharge 90%)	5,22 kWh / 100 Ah
Total Useful capacity (Depth of Discharge 90%)	From 21.2kWh (with 4 modules in series) From 58.3kWh (with 11 modules in series)
Nominal voltage	From 208V (with 4 modules in series) Up to 572 (with 11 modules in series)
Maximum charge current**	100A
Maximum discharge current**	200A
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

