



HeSU 4K4 ESS 2018



- Standard 48 Vdc
- Up to 3 units in parallel, total capacity of 13.2kWh
- Floor or Wall mounted
- 3 Independent communication ports
- Programmable auxiliary contacts
- Monitoring system via WEB APP CUB8 (opt.)
- High capacity cells, up to 100% DoD
- Designed and tested for harsh and desartic environments (Desert proof IP65)
- Operating temperature 25% higher than STD Lithium versions.
- Additional control sensors for extra safety
- Programming software suitable for Windows and iOS
- Debugging and inbuilt log memory
- Real Time monitoring on CUB server (Opt.)
- Real time equalization (Fast Balance) with preventive and corrective functions.



Model	HeSU 4k4
Voltage	48Vdc
Nominal voltage	52Vdc
Operative voltage	44-58.8Vdc
Nominal current	86Ah
Battery capacity	4.48kWh
Cell type	LFP O-Li
Power output	5kW
Nominal Power	3kW
Expected cycles @ STC	7000
Max Charging current	60A
Operative temperature in discharge	-20°C + 60°C
Max current in discharge	100A
Integrated communication system	CANBUS, BTS, RS-485, RS-232, Programmable contacts
PCB Management	CPU on 4 channels
Sensors	Temperature, Voltage, Current, Expansion, Environment Temp. Shock
Pre-charge control	Active
Passive safety	Integrated rapid fuse and remote contactor
Active safety	Real time control 1sec.
Dimensions HxWxD	580*463*165mm
Net Weight	53 kg
Installation	Wall or floor mounted
Design life	15 years
Stock period without recharge	2 years from the production date and in the Temp. range of -20°C + 50°C
Display	RUN, LOW BAT, FAULT with LED
Accessories	Data cable: CAN RJ45/RJ45, RJ45/RJ9S, RS 232, RS 485 AWG cable: 100 cm with ring terminal (RED/BLACK) Earthing: Single core yellow/green with ring terminal
Standards	IEC 61600-6-3: 2017 61600-3-2:2014 61000-3-3:2013 61600-6-2007 CE UN 38.3
Enclosure	Steel
Warranty	10 years
IP grade	IP20 (IP 65 on request)
Recycle program	cobat
Legal Information	The technical specifications contained in this document are subject to change without notice. The cobat Logo is the exclusive property of the cobat consortium and has no corporate ties with WeCo or the Group's companies. The recycling and withdrawal at the battery's ``end life`` is regulated by the National Convention stipulated with cobat. Management and programming software are released for temporary use. The firmware released by WeCo for implementation of the functions and security, must be installed by qualified installers. The terms of sale and warranty terms are published on the website.