

WEESS

ZUGSPITZE

Home Energy Storage System

weess.com

WEESS GmbH

Berliner Allee 67, 40212 Düsseldorf, Germany

Tel: +49 177 4556973

Email: info-eu@weess.com



10kW10/15/20-P3

DATA SHEET

Embrace the future with our unique product design, creating a secondary energy portal for your home.

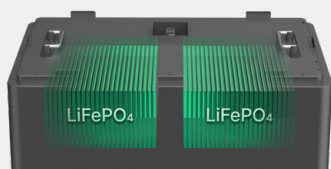
Corrosion Resistance &
UV Endurance



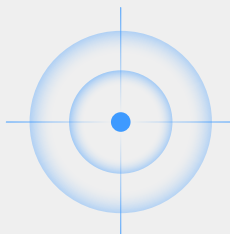
Modular, Stackable
Design



8,000 Cycles



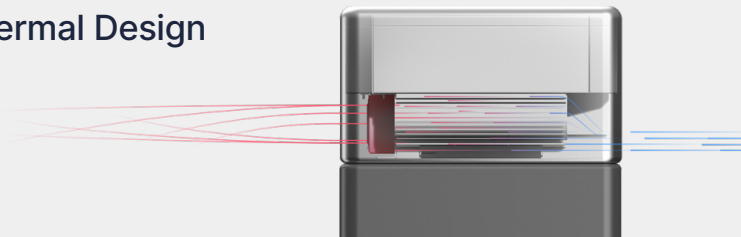
MPPT



Smart APP
Integration



Mechanical and
Thermal Design



Versatile PV
Support



Eco-friendly &
Sustainable



System Specifications

Nominal Output Power (W)	10,000W		
AC Output Frequency and Voltage	50/60 Hz, 3L/N/PE 380/220, 400/230, 415/240		
Grid Type	Three Phase		
Rated energy (kWh)	10.24(2 battery modules)	15.36(3 battery modules)	20.48(4 battery modules)
Battery Chemistry	LFP		
Dimension (W*D*H, mm)	685×450×957mm	685×450×1157mm	685×450×1357mm
Weight (kg)	181kg	234.5kg	288kg
Communication	CAN, RS485, WLAN/Ethernet via Smart Dongle		
IP Rating	IP65		
Relative Humidity	5-95%, non-condensing		
Certifications	IEC 62619, IEC 63056, IEC 60730, IEC/EN 62109, EN 61000-6-1/2/3/4, VDE 4105, EN 50549, IEC62477, VDE2510-50, UN38.3		
Warranty	10 years		

Inverter Technical Specifications

Max. PV Input Power (W)	13,000W (8,000/5,000)
Max. PV Input Current (A)	26/14A
Max. PV Input Voltage (V)	1,000V
MPPT Voltage Range (V)	160-950V
Max. PV Short Circuit Current (A)	32/16A
No. of MPP Trackers	2
Strings per MPP Trackers	2/1
Max. Continuous Apparent Power (Back-up) (VA)	10,000VA
Peak Apparent Power (Back-up) (VA)	15,000VA
Switching Time (ms)	<20ms
Power Factor	1/0.8 leading to 0.8 lagging
THDi	<3% @ rated power
Display	LED
Dimension (W*D*H, mm)	685×450×250mm
Topology	Transformerless
Communication with BMS	CAN&RS485
Cooling Method	Intelligent Fan
Europe Efficiency	97.30%
Max. Efficiency	98.00%
Max. Charging Efficiency (PV to BAT)	98.50%
Max. Discharging Efficiency (BAT to AC)	97.00%

Battery Technical Specifications

Nominal Voltage (V)	204.8V	307.2V	409.6V
Battery Working Voltage (V)	176.0-230.4V	264.0-345.6V	352.0-460.8V
Battery Module	5.12kWh, 102.4V, 53.5kg		
Battery Module Dimension (W*D*H, mm)	685×450×200mm		
Max.Charging/Discharging Current (A)	25A		
Depth of Discharge (DoD)	5-95%		
Operating Temperature Range	Charge: 0°C~54°C; Discharge: -20°C~54°C		
Storage Temperature	-10°C~45°C		
Cooling Method	Natural Cooling		