

WEESS

ZUGSPITZE



reddot winner 2025

Home Energy Storage System
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10kW10/15/20-P3

DATA SHEET (EN)

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

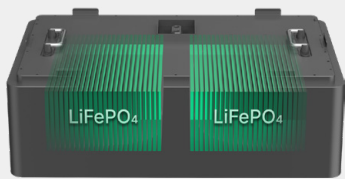
Corrosion Resistance &
UV Endurance



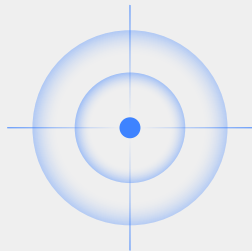
Modular, Stackable
Design



8,000 Cycles



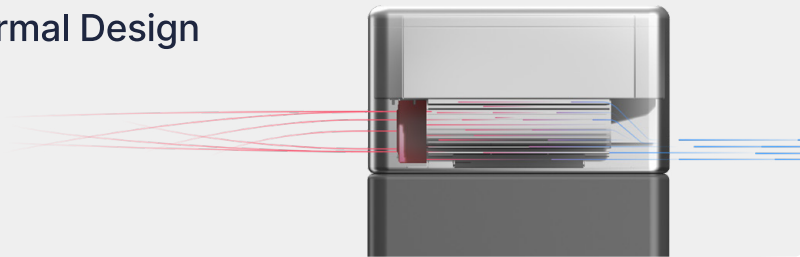
MPPT



Smart APP
Integration



Mechanical and
Thermal Design



Versatile PV
Support



Eco-friendly &
Sustainable



*ZUGSPITZE DATASHEET

Product Model	ZUGSPITZE-10kW10-P3		ZUGSPITZE-10kW15-P3	ZUGSPITZE-10kW20-P3
System Specifications				
Nominal Output Power	10,000 W			
AC Output Frequency and Voltage	50/60 Hz, 3L/N/PE 220/380V, 230/400V, 240/415V			
Grid Type	Three Phase			
Rated Energy	10.24 kWh (2 battery modules)	15.36 kWh (3 battery modules)	20.48 kWh (4 battery modules)	
Battery Chemistry	LFP			
Dimension (W*D*H)	685 × 450 × 957 mm	685 × 450 × 1157 mm	685 × 450 × 1357 mm	
Weight	181 kg	234.5 kg	288 kg	
Communication	CAN, RS485, 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	13,000 W (8,000/5,000)			
Max. PV Input Current	26/14 A			
Max. PV Input Voltage	1,000 V			
MPPT Voltage Range	160-950 V			
Max. PV Short Circuit Current	32/16 A			
No. of MPP Trackers	2			
Strings per MPP Trackers	2/1			
Max. Continuous Apparent Power (Back-up)	10,000 VA			
Peak Apparent Power (Back-up)	15,000 VA			
Switching Time	<20ms			
Power Factor	1/0.8 leading to 0.8 lagging			
THDi	<3%			
Display	LED			
Dimension (W*D*H)	685 × 450 × 250 mm			
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	204.8 V	307.2 V	409.6 V	
Rated Power	5.12 kW	7.68 kW	10 kW	
Battery Working Voltage	176.0-230.4 V	264.0-345.6 V	352.0-460.8 V	
Battery Module	5.12 kWh, 102.4 V, 53.5 kg			
Battery Module Dimension (W*D*H)	685 × 450 × 200 mm			
Standard Charging/Discharging Current	25 A			
Depth of Discharge (DoD)	5-95 %			
Operating Temperature Range	Charge: 0 °C ~ 50 °C; Discharge: -20 °C ~ 50 °C			
Storage Temperature	-10 °C ~ 45 °C			
Cooling Method	Natural Cooling			

The real-time power varies according to the ambient temperature, battery status and load.