

ZPB 509

ALL-IN-ONE ENERGY STORAGE SYSTEM



TECHNICAL SPECIFICATIONS

MODEL	62.5 KW / 509 KWH		125 KW / 509 KWH		187 KW / 509 KWH		250 KW / 500 KWH	
Battery (DC)								
Rated Energy	kWh	509						
Battery Type	Ah	306						
Rated DC Voltage	V	832						
DC Voltage Range	V	728...936						
Grid Connection (AC)								
Rated AC Power	kW	62.5	125	187	250			
Max. AC Power	kW	62.5	125	187	250			
AC Power Frequency	Hz	50/60						
Normal AC Voltage	Vac	400						
AC Voltage Range	V	360...440						
Charge/discharge rate	hours	2 / 4 / 8						
Grid Connetion Type		3W+N+PE						
THDi	%	< 3						
Power Factor Range		-1...+1						
Max. Efficiency	%	98.5						
General Data								
Dimensions (WxDxH)	mm	1940*1500*2100 (Battery), 1000*1500*2100 (AC Side)						
Weight	t	≈5.2						
Ingress Protection		IP55						
Anti-corrosion		C5						
Noise	dB	70						
Operating Relative Humidity	%	0...100 (No condensation)						
Operating Temperature Range	°C	-20...+55						
Cooling Method		Liquid cooling (Battery), Smart Fan (AC Side)						
Altitude	m	4000 (@derating > 2000)						
Communication		CAN, RS485						
Standard ¹		IEC62619, IEC63056, IEC62477, IEC61000, EN50549-10, VDE4110, UL9540A, UN38.3						

Specifications provided are preliminary and subject to change.

¹ For all standards refer to the certificates category on the WHES website.