

TECHNICAL SPECIFICATIONS

System Specification	V-AIO-W5.1-5P3- EU-B	V-AIO-W5.1-6P3- EU-B	V-AIO-W5.1-8P3- EU-B	V-AIO-W5.1-10P3- EU-B	V-AIO-W5.1-12P3- EU-B
Nominal Output Power/UPS Power	5000/5000W	6000/6000W	8000/8000W	10000/10000W	12000/12000W
AC Output Frequency & Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac				
Grid Type	Three Phase				
Recommended Energy Configuration	5kWh(Min.)		10kWh(Min.)		15kWh(Min.)
Max. Charging/Discharging Current	120A	150A	190A	210A	240A
Battery Operating Voltage	43.2 ~ 57.6V				
Battery Chemistry	LiFePO ₄				
IP Rating of Enclosure	IP65 (after stacking)				
System Certification	IEC62619, IEC60730, CE, VDE2510-50, CEI 0-21				
Warranty ^[1]	Battery 10 Years, Inverter 5 Years				

Inverter Technical Specification

Max. PV Input Power	6500W	7800W	10400W	13000W	15600W
Rated PV Input Voltage	550 (160~800)Vdc				
Start Up DC Voltage	160Vdc				
MPPT Voltage Range	200-650Vdc				
Full Load DC Voltage Range	350-650Vdc				
Max. PV Input Current	13+13A			26+13A	
Max. PV Short-circuit Current	17+17A			34+17A	
No. of MPP Trackers	2				
Peak Power (Off Grid)	2 time of rated power, 10s				
Power Factor	0.8 leading to 0.8 lagging				
DC Injection Current (mA)	THD<3% (Linear load<1.5%)				
Display	LCD				
Relative Humidity	15%~85% (Non Condensing)				
Dimension (W*D*H)	720*255*440 mm				
Weight	38kg				
Communication with BMS	CAN2.0				
Safety	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6.1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4				
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0-21, EN50549-1, G98, G99, UNE217002, NBR16149/NBR16150				
Max. Efficiency	97.60%				
Max. Charging/Discharging Efficiency	95.50%				

Battery Technical Specification

Nominal Voltage	5.12V
Battery Module Energy	5.12kWh
Module Scalability	Max. 36 pcs in parallel (Max. capacity of 184kWh)
Battery Module Dimension (W*D*H)	720*255*300 mm
Battery Base Dimension (W*D*H)	720*255*68 mm
Battery PDU3 Dimension (W*D*H)	720*255*228 mm
Battery Module Weight	53kg
Operating Temperature Range	Charge: 0~55°C / Discharge: -20°C~+55°C
Cycle Life	≥6000(25°C±2°C, 0.5C/0.5C, 90%DOD, 70%EOL)
Battery Module Certification	IEC62619, CE, UK, VDE2510-50, CEI 0-21, UN38.3, CE-LVD, CEC