



BIVIS

100kWh ESS Specs

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Battery Cabinet Datasheet

Battery type	LFP
Number of modules	10 X 2
Nominal voltage	512V
Total battery capacity	107.52 kWh
Operating voltage range	342 V~432 V
Max. Continuous Charge/Discharge Current	≥170A
Operating Environmental Conditions	Temp. -30°C ~ 50°C/ Hum. 5%~95%
Anti corrosion level	C4
IP protection	IP54
Cooling method	Air cooling
Operating Consumption	<200 kW
Auxiliary Consumption	<6 kW
AC Power Supply Conditions	220 VAC 50/60 Hz
Cycle Life	>6400
Dimensions (WxDxH)	1,050× 2,085× 1,371 mm
Weight	≈1,500 kg
Standards	IEC ; UL;

Inverter Datasheet



PV Side	
Max. Input Voltage	1000V
MPPT Voltage Range	350V~800V
Max. Current per MPPT	36A
Number of MPPT	3
Number of Inputs Per MPPT	2
Battery Side	
Max. Input Voltage	750V
Min. Input Voltage	350V
DC Voltage at Nominal Operation	500V~750V
Max. DC Current	55A*2
Max. DC Input Power	55kW
Number of DC Inputs	2
General Parameters	
Dimensions (WxDxH)	650× 715× 325 mm
Weight	75 kg
IP Level	IP65
Operation Temperature Range	-25~60℃ (>45℃ Derating)
Cooling Method	Intelligent Air Cooling
Communication Port	RS485/CAN
Max. Efficiency	97.5%
Standards	IEC62477; IEC61000; CE;GB/T; IEC62109; IEC61683; IEC60068; IEC61727; IEC62116; EN50549; VDE4105;G99

AC Side(On Grid)	
Nominal AC Output Power	50kW
Max. AC Output Power	55kVA
Max. AC Current	80A
Nominal AC Voltage	400V
AC Voltage Range	340V~440V
Nominal Grid Frequency/Frequency Range	50/60Hz±5Hz
THDv	<3%(100% Load)
AC Side(Off Grid)	
Nominal AC Output Power	50kW
Max. AC Output Power	55kVA
Nominal AC Voltage	230/400V±3%; 3L+N+PE
Nominal Grid Frequency/Frequency Range	50/60Hz±5Hz
THDv	<3%(100% Load)
Protection	
Reverse Connection Protection	Yes
DC Switch	Yes
Over-Temperature Protection	Yes
Grid Monitoring/ Earthing Fault Detection	Yes
Insulation Monitoring	Yes
DC/AC Surge Protection	DC Type II;AC Type III