

Technical Comparison

Low Voltage Batteries

SPECS	GIV-BAT2.6	GIV-BAT-5.12-G3	GIV-BAT-9.5-G3
Capacity	2.6 kWh / 51 Ah	5.12 kWh / 100 Ah	9.5 kWh / 186 Ah
Voltage	51.2V	51.2V	51.2V
Current	30A Charge / Discharge	60A continuous 120A Peak	< 120A Charge / Discharge
Cell Technology	LiFePO ₄	LiFePO ₄	LiFePO ₄
IP Grade	IP65	IP65	IP65
BMS	Robust Multi Point Monitoring BMS	Robust Multi Point Monitoring BMS	Robust Multi Point Monitoring BMS, Upgradeable
Depth of Discharge	80%	100%	100%
Operating Voltage Range	45V – 58V	46.4V – 57.6V	44.8 - 57.6V
Max. Charging Voltage	59V	57.9V	59V
Max. Charging / Discharging Current	30A / 30A	60A / 60A	< 120A
Networking Interface	RS485	RS485/USB/CAN	RS485/USB/CAN
Communication Protocols	Modbus	Modbus + CANbus	Modbus + CANbus
Parallel Capability	—	Up to 5	Up to 5
Dimensions	299H x 205D x 480W (mm)	338H X 242D x 480W (mm)	576H X 225D x 480W (mm)
Weight	35.5 Kg	48±2 Kg	85±2Kg
Life Cycling	12 Years	12 Years	12 Years
Charging Temperature	0°C – 55°C	0°C – 50°C	0°C – 50°C
Discharging Temperature	-10°C – 55°C	-10°C – 50°C	-10°C – 50°C
Storage Temperature	-30°C – 60°C	-30°C – 60°C	-20°C – 50°C
Warranty	26MWh / 10 Years	12 Years	12 Years
Standards	UN 38.3, IEC61000	IEC 62619/CE/UKCA/ UN38.3 / IEC 62040	IEC 62619/IEC 62040 / CE/UKCA/UN38.3 / CEC-AU