

INSOLA

Energy Storage Battery

5kWh/11kWh/16kWh



High Energy Density

- Suits residential & commercial medium – energy needs, enables extended off – grid



Weather Resistance

- IP65 rating (extreme weather), low – maintenance, noiseless



Safety

- Built – in fire suppression
- Shuts down within 5 seconds



Smart Integration

- Supports RS485/CAN protocols
- Integrates with energy management systems for remote control



Strong Charge – Discharge

- Compatible with high – power devices, wide voltage for diverse charging



Compact & Durable

- Compact, easy to install on floors
- Industrial – grade materials, impact – resistant

Energy Storage Battery	M1	M2	M3
Rated Capacity	102Ah	230Ah	314Ah
Nominal Voltage	51.2V	51.2V	51.2V
Energy	5.22kWh	11.77kWh	16.07kWh
Discharge Ending Voltage	44.8V	44.8V	44.8V
Charging Limited Voltage	58.4V	58.4V	58.4V
Rated Charge/Discharge Current	50A	115A	150A
Max. Charge/Discharge Current	100A	200A	200A
Recomended Charge/Discharge C Rate	0.5C	0.5C	0.5C
Depth Of Discharge(DOD)	90%	90%	90%
Weight	43kg 45kg	90kg 92kg	114kg 116kg
Dimensions (W*H*D) [mm]	480*601*200 480*680*200	480*661*230 480*736*230	480*801*230 480*880*230
Protection Rating	IP20 IP65	IP20 IP65	IP20 IP65
Protocol	RS485/CAN	RS485/CAN	RS485/CAN
Design Life	5	5	10
Cycle Life	6000	6000	6000
Case Meterial	SPCC	SPCC	SPCC
Operating Temperature	-20~55℃	-20~55℃	-20~55℃
Cooling Mode	Natural Cooling	Natural Cooling	Natural Cooling

Energy Solutions

