



IMBANI ENERGY



REV OVTM
THE POWER BEHIND
YOUR PROGRESS

STANDBY RENEWAL SOLAR LITHIUM-ION PRODUCTS

OUR PRODUCTS



Residential
energy solutions



Commercial and
Industrial energy
storage



Utility-scale
power

Choose a system that meets your needs today and continues to deliver dependable performance tomorrow.



12V 100AH

FEATURES AND SPECIFICATIONS



- Safe LiFePO4 chemistry
- Long lifecycle
- High temperature performance
- High energy density
- High charge and discharge rate
- Integrated battery management system (BMS)
- Bluetooth app that allows for the measurement of the battery's total voltage, remaining SoC, temperature and time left until fully discharged

12.8V 100AH 1.28KWH		Voltage		Current	
Model 12 V	100Ah	Nominal	12.8V	Maximum charge/discharge	70/70 A
Battery type	LiFePO4	Float charge	13.7V	DoD	80%
Battery capacity	100Ah	Absorption charge	14.1V		
Power capacity	1.28kWhh				

Weight and Dimensions		Temperature	
Dimensions [L x W x H, mm]	330 mm x 170 mm x 230 mm	Charging	0 - 45°C
Battery weight	± 10 kg	Discharging	0 - 45°C

Other	
Enclosure protection	IP20
Design cycle life	3 500
Access interface	Bluetooth application
Compatible inverters	All 12/24 V lithium capable chargers
Storage conditions	15 - 25°C at 50% SoC (charge every 6 months)
Warranty	View full warranty on www.revov.co.za



12V 200AH

FEATURES AND SPECIFICATIONS



- Safe LiFePO₄ chemistry
- Long lifecycle
- High temperature performance
- High energy density
- High charge and discharge rate
- High efficiency
- Integrated battery management system (BMS)
- Bluetooth app that allows for the measurement of the battery's total voltage, remaining SoC, temperature and time left until fully discharged

12V 200Ah 2.56kWh		Voltage		Current	
Model 12 V	12V 200Ah	Nominal	12.8V	Maximum charge/discharge	70/70 A
Battery type	LiFePO ₄	Float charge	13.7V	DoD	80%
Battery capacity	200Ah	Absorption charge	14.1V		
Power capacity	2.56kWh				

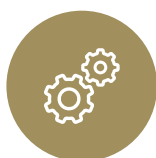
Weight and Dimensions		Temperature	
Dimensions [L x W x H, mm]	500 mm x 235 mm x 220 mm	Charging	0 - 45°C
Battery weight	± 30 kg	Discharging	0 - 45°C

Other	
Enclosure protection	IP20
Design cycle life	3 500
Access interface	Bluetooth application
Compatible inverters	All 12/24 V lithium capable chargers
Storage conditions	15 - 25°C at 50% SoC (charge every 6 months)
Warranty	View full warranty on www.revov.co.za



24V 100AH

FEATURES AND SPECIFICATIONS



- Safe LiFePO₄ chemistry
- Long lifecycle
- High temperature performance
- High energy density
- High charge and discharge rate
- Easily liftable and transportable form factor
- Rated for over 3MWh of warranted throughput over 3 years
- Maintains support with a number of 3rd party trusted devices including Bluetooth remote monitors

24V 100Ah 2.56kWh		Voltage		Current	
Model 12 V	24V100Ah	Nominal	25.6V	Max continuous charge/discharge current	50A/50A
Battery type	LiFePO ₄	Charge	28.0V	Peak charge/discharge current	100A
Battery capacity	100Ah	Cut-off	20.0V		
Power capacity	2.56kWh				

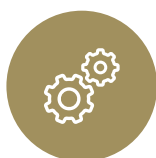
Weight and Dimensions		Temperature	
Dimensions [L x W x H, mm]	522mm x 242mm x 224mm	Charging	0 – 50 °C
Battery weight	± 30 kg	Discharging	-5 – 55 °C

Other	
Enclosure protection	IP20
Access interface	Bluetooth application
Compatible inverters	Standard 24V Lithium Chargers/Inverters
Storage conditions	15–30 °C at Min 50% SoC (charge every 6 months)
Warranty	2000 cycles At 80% DoD (3 years)



E100

FEATURES AND SPECIFICATIONS



- Safe LiFePO₄ chemistry
- Long lifecycle
- High temperature performance
- High energy density
- High charge and discharge rate
- Integrated battery management system (BMS)
- Bluetooth app that allows for the measurement of the battery's total voltage, remaining SoC, temperature and time left until fully discharged

E100 51.2V 5.12kWh		Voltage		Current	
Model	E100	Nominal	51.2 V	Max continuous charge/discharge current	100 A/100 A
Battery type	LiFePO ₄	Float charge	54.5 V	Peak current (1sec)	110A/150 A
Battery capacity	100Ah	Absorption charge	55.5 V		
Power capacity	5.12 kWh	Cut-off	48.0 V		

Weight and Dimensions		Temperature	
Dimensions [L x W x H, mm]	480 mm x 442 mm x 155 mm	Charging	0 - 45°C
Battery weight	43 kg	Discharging	-10 - 45 °C

Other	
Enclosure protection	IP20
Access interface	CAN Bus/RS485
Compatible inverters	All leading inverter brands
Storage conditions	15 - 25°C at 50% SoC (charge every 6 months)
Warranted cycles	6000 cycles At 80% DoD
Warranted calendar life	10 Years



E300

FEATURES AND SPECIFICATIONS



- Rugged Rack Mount Design
- 250A DC discharge, equating to 12kVA inverter support
- No Depth of Discharge (DoD) enforcement. 100% usage of battery is both warranted and permitted.
- Rated for over 60 MWh of warranted throughput over 10 years
- Maintains support with a number of 3rd party trusted devices including SolarAssistant, AXPI and ESP-BMS

E300 51.2V 16.0kWh		Voltage		Current	
Model	E300	Nominal	51.2V	Max continuous charge/discharge current	150A/250A
Battery type	LiFePO ₄	Float charge	54.5V	Peak current (1sec)	160A/300A
Battery capacity	314 Ah	Absorption charge	55.5V		
Power capacity	16.0kWh	Cut-off	48.0V		

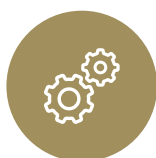
Weight and Dimensions		Temperature	
Dimensions [L x W x H, mm]	730 mm x 442 mm x 235 mm	Charging	0 - 45°C
Battery weight	108 kg	Discharging	-10 - 45 °C

Other	
Enclosure protection	IP20
Access interface	CAN Bus/RS485
Compatible inverters	All leading inverter brands
Storage conditions	15-30 °C at Min 50% SoC (charge every 6 months)
Warranted cycles	6000 cycles At 80% DoD
Warranted calendar life	10 Years



HADES 15KW – 150KWH

FEATURES AND SPECIFICATIONS



- Support as many 32pcs modules in series max;
- Simple installation and ODM;
- Support system parallel to realize upgraded capacity
- Up to 94% max efficiency;
- With remote monitoring and upgrade, worry free from service

HADES			
Nominal Capacity	280Ah (@0.5C, 25C)	Continuous Current	140A (charge/discharge)
Nominal Voltage	51.2V	Max Continuous Current	160A (charge/discharge)
Total Energy	14336Wh	Peak Current	180A @5s (charge/discharge)
Battery Working Voltage	44.8–56.8V	Cycle Life	≥5000 cycles (25C±2C, 0.5C, 90%DOD, 70%EOL)
Cell Working Voltage	2.5–3.65V		

Weight and Dimensions		Temperature	
Dimensions [L x W x H, mm]	376×885×238.5 mm (incl. hangers)	Working Temp (Charge)	0–45C
Battery weight	108 kg	Working Temp (Discharge)	20–50C
		Working Humidity	≤85%
		Storage Humidity	5–95%

Other	
Ingress Protection	IP21
Efficiency	≥94% (25C±2C, 0.5C, 90%DOD)
Expansion Capability	32 units max in series
Design Life	15 years
Warranty	5 years (10 years optional)



CFE 61.44KWH

FEATURES AND SPECIFICATIONS



- Leading Technology
- Local Flexible configuration System
- Service Support
- Convenient installation
- Master+Slave architecture BMS with advanced
- AI algorithms
- Maximum 16 RACKs in parallel to increase capacity to 960KWh without adding other equipment

CFE 61.44KWH

Communication Method	CAN/RS485/WiFi (Optional)
Installation Method	Racks
Humidity	5~95% RH
Altitude	≤2000m
Rated Voltage	750V DC
Rated Current	100A (Charge & Discharge Rate of 1C)
Size	442×380×135mm
Battery Type	LiFePO ₄
Battery Model	CFE-PA102-100-GR
Capacity Options	20.48 / 30.72 / 40.96 / 51.20 / 61.44 kWh
Battery Voltage Options	204.8 / 307.2 / 409.6 / 512.0 / 614.4 V
Capacity (Ah)	100Ah
Battery Size	442×580×225mm
Voltage Range	172.8–691.2V (depending on model)
Rating Charging Current	100A
Max Charging Current	100A
Max Discharge Current	120A
System Size Options	576×582×774 / 1004 / 1234 / 1464 / 1694 mm
Charging Temperature	0 ~ +45°C
Discharging Temperature	10
Cycle Life	≥8000 cycles (@25±2°C, 0.5C/0.5C, 80%DOD)



12V 100AH

FEATURES AND SPECIFICATIONS



- High Energy & Flexible Scalability
- High Efficiency & Low Loss
- Stable High-Current Output
- Wide Voltage & Temperature Adaptability
- High-Quality Cells for Durability
- High Protection & Strong Compatibility
- Compact Design for Easy Installation
- Standardized Specifications

ENERGY CORE 51.2KWH

Max Charge and Discharge Current	50 A
Peak Charge and Discharge Current	75 A, 3 s
Scalability	Max. 6 towers in Parallel (From 15.36 kWh to 307.2 kWh)
Operating Temperature	-10°C to +50°C
Battery Cell Technology	Lithium Iron Phosphate (LiFePO ₄)
Communication	CAN / RS485
Enclosure Protection Rating	IP65
Round-trip Efficiency	≥ 96%
Certification	TBD
Applications	On Grid / On Grid + Backup / Off Grid
Warranty	15 Years



ESPBMS & GENERATORS

ESPBMS



ESPBM5 gives installers and end users full visibility of REVOL battery performance through intuitive dashboards and near real-time alerts.

Authorised users can monitor parameters, verify settings and implement updates from anywhere, gaining secure remote access via wi-fi.

PHOTOVOLTAIC GENERATOR



REVOL all-in-one systems are engineered to simplify residential and small business energy installations. From fixed backup to flexible portable power applications, each solution is designed for practical, reliable performance.

By integrating lithium batteries, advanced battery management and inverter technology into a single preconfigured unit, these systems minimise installation complexity while delivering dependable backup power.





IMBANI
ENERGY

Get in touch

Tel: +27 (0)11 487 5400

Email: info@imbani.com

www.imbani.com