

Energy Qb

Home Wall 5

Compact modular LFP battery built for smart backup power



Application Areas

- Residential Backup
- Schools, Clinics & Institutions
- Home & Small Business Backup
- Hybrid Inverter Systems
- Telecom Backup
- Off-Grid Systems

Features

- $\geq 6,000$ cycle
- Low-voltage, safer design
- Solar Inverter Agnostic
- Flexible installation
- Modular and Scalable Design
- 15-Units Parallel Capability





Technical Specifications

Parameters	Specifications		
Module Nominal Energy (kWh)	5.12	10.24	20.48
Cell Type	LFP (LiFePO4)		
Nominal DC Voltage (V)	51.2		
Cell Capacity (Ah)	100		
System Configuration	1P16S		
Number of Modules	1	2	4
Operating DC Voltage Range (V)	45 ~ 57.6V		
Continuous Charge Current (A)	0.5C		
Continuous Discharge Current (A)	0.5C		
Max. Discharge Rate	1C @25 deg C		
Depth of Discharge*	80% Recommended		
Parallel Capability	Upto 15 Units		-
Life Cycles	>= 6000 @25° C*		
Temperature Range (°C)	Charge: 0° ~ 60° C, Discharge: -20° ~ 60° C, Recommended: 15° ~ 35° C		
Relative Humidity	10% ~ 95%		
Max. Operating Altitude (m)	< 3000m		
Communication Protocol	CAN, RS-485		
Ingress Protection Rating	IP20 (Indoor)		
Weight (kg)	~40Kg	~80Kg	~160Kg
Dimension (W × D × H mm)	445 × 455 × 133*n (± 2mm)		
Cooling Method	Natural Cooling		
Installation Method	Wall Mounted / Rack Mounted		
Protections	Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit etc.		

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Energy Qb Pro Rack

Rack Mounted Smart Battery Module with flexible power needs



Application Areas

- Residential Backup
- Schools, Clinics & Institutions
- Home & Small Business Backup
- Telecom Backup
- Off-Grid Systems

Features

- $\geq 6,000$ cycle
- Low-voltage, safer design
- Solar Inverter Agnostic
- Flexible installation
- Modular and Scalable Design





Technical Specifications

Parameters

Specifications

Module Nominal Energy (kWh)	10.048
Cell Type	LFP (LiFePO4)
Nominal DC Voltage (V)	48
Cell Capacity (Ah)	314
System Configuration	1P10S
Number of Modules	1
Operating DC Voltage Range (V)	45 ~ 57.6V
Continuous Charge Current (A)	0.5C
Continuous Discharge Current (A)	0.5C
Max. Discharge Rate	0.5C
Depth of Discharge*	80% Recommended
Parallel Capability	Upto 10 Units
Life Cycles	≥ 8000 @25° C*
Temperature Range (°C)	Charge: 0° ~ 60° C, Discharge: -20° ~ 60° C, Recommended: 15° ~ 35° C
Relative Humidity	10% ~ 95%
Max. Operating Altitude (m)	< 3000m
Communication Protocol	CAN, RS-485
Ingress Protection Rating	IP20 (Indoor)
Weight (kg)	~80Kg
Dimension (W × D × H mm)	442 × 440 × 222 (± 2mm)
Cooling Method	Natural Cooling
Installation Method	Rack Mounted
Protections	Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit etc.

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Energy Qb

Home Hub 16

Tower-type modular storage built for growing power needs



Application Areas

- Residential Energy Storage
- Hotels & restaurants
- Small Commercial & Industrial
- Telecom Backup
- UPS & Inverter Applications
- Genset reduction

Features

- High Usable Energy
- Low-voltage safety
- $\geq 6,000$ cycles
- Floor-standing design
- Plug and Play Connection
- 15-Units Parallel Capability



Technical Specifications

Parameters	Specifications
Module Nominal Energy (kWh)	16.08
Cell Type	LFP (LiFePO4)
Nominal DC Voltage (V)	51.2
Cell Capacity (Ah)	314
System Configuration	1P16S
Number of Modules	1
Operating DC Voltage Range (V)	45 ~ 57.6V
Continuous Charge Current (A)	0.5C
Continuous Discharge Current (A)	0.5C
Max. Discharge Rate	0.5C
Depth of Discharge*	80% Recommended
Parallel Capability	Upto 15 Units
Life Cycles	≥ 8000 @25° C*
Temperature Range (°C)	Charge: 0° ~ 60° C, Discharge: -20° ~ 60° C, Recommended: 15° ~ 35° C
Relative Humidity	10% ~ 95%
Max. Operating Altitude (m)	< 3000m
Communication Protocol	CAN, RS-485
Ingress Protection Rating	IP20 (Indoor)
Weight (kg)	~110Kg
Dimension (W × D × H mm)	427 × 365 × 775 (± 2mm)
Cooling Method	Natural Cooling
Installation Method	Floor Standing(Tower Type)
Protections	Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit etc.

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Energy Qb Power Rack 60

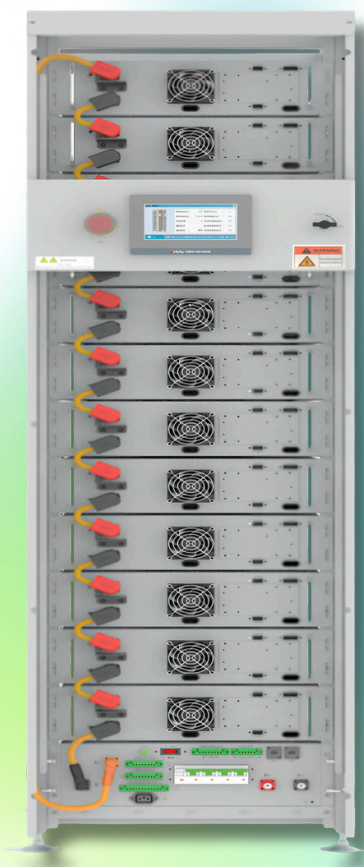
Intelligent Rack-Based Storage for Scalable Energy Needs

Application Areas

- Solar Energy Storage
- Commercial & Industrial Backup
- Cold storage, Hotels & resorts
- Peak Shaving & Load Management
- Manufacturing Plants
- Microgrid & Renewable Integration
- EV Charging Energy Storage

Features

- High discharge rate
- $\geq 6,000$ cycles at 25 °C
- Smart and Intelligent BMS
- Easy integration
- Flexible Expansion
- 6-cluster Parallel Capability





Technical Specifications

Parameters

Specifications

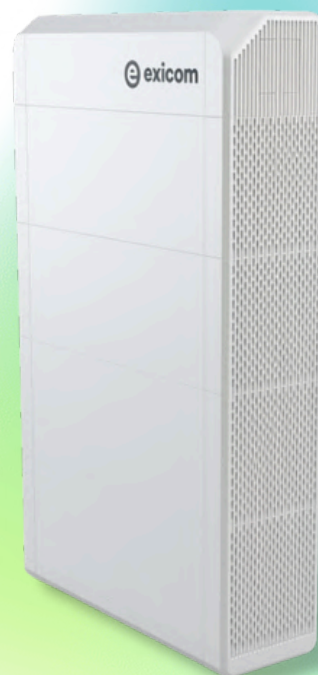
Rack Nominal Energy (kWh)	30.72	40.96	51.20	614.4
Number of Modules	6	8	10	61.44
Nominal DC Voltage (V)	307.2	409.6	512	12
Operating DC Voltage Range (V)	269 ~ 350V	358 ~ 467V	448 ~ 584V	538 ~ 700V
Continuous Charge Current (A)	0.5C			
Continuous Discharge Current (A)	0.5C			
Max. Discharge Rate (A)	1C @25 deg C			
Depth of Discharge*	80% Recommended			
Parallel Capability	Upto 6 Cluster Systems			
Life Cycles	≥ 6000 @25° C*			
Cell Type	LFP (LiFePO4)			
Module Nominal Energy (kWh)	5.12			
Module Nominal Voltage (V)	51.2			
Module Nominal Capacity (Ah)	100			
Module Weight	~45Kg			
System Configuration	1P16S			
Operating Voltage Range (V)	45 ~ 57.6V			
Module Dimensions (W × D × H mm)	483 × 580 × 133mm (± 2mm)			
Temperature Range (°C)	Charge: 0° ~ 60° C, Discharge: -20° ~ 60° C, Recommended: 15° ~ 35° C			
Relative Humidity	10% ~ 95%			
Max. Operating Altitude (m)	< 3000m			
Communication Protocol	CAN, RS-485			
Ingress Protection Rating	IP20 (Indoor)			
Weight (kg)	~309Kg	~404Kg	~499Kg	~594Kg
Dimension (W × D × H mm)	624 × 759 × 2055 (± 2mm)			
Cooling Method	Natural Cooling			
Protections	Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit etc.			

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Energy Qb

Power Tower 32

High-voltage rack storage built for commercial scale



Application Areas

- Solar Energy Storage
- Commercial & Industrial Backup
- Cold storage, Hotels & resorts
- Peak Shaving & Load Management
- DG Replacement
- Microgrid & Renewable Integration
- EV Charging Energy Storage

Features

- High-capacity 314 Ah cells
- Modular Expandable Design
- >8,000 cycles
- Smart and Intelligent BMS
- Flexibility Expansion





Technical Specifications

Parameters	Specifications	
Rack Nominal Energy (kWh)	24	32
Number of Modules	3	4
Nominal DC Voltage (V)	550V	
Operating DC Voltage Range (V)	450 ~ 620V	
Continuous Charge Current (A)	0.5C	
Continuous Discharge Current (A)	0.5C	
Depth of Discharge*	80% Recommended	
Parallel Capability	Upto 8 Cluster Systems	
Life Cycles	≥ 8000 @25° C*	
Cell Type	LFP (LiFePO4)	
Module Nominal Energy (kWh)	8.04	
Module Nominal Capacity (Ah)	314	
Module Weight	~75Kg	
System Configuration	1P8S	
Temperature Range (°C)	Charge: 0° ~ 60° C, Discharge: -20° ~ 60° C, Recommended: 15° ~ 35° C	
Relative Humidity	10% ~ 95%	
Max. Operating Altitude (m)	< 3000m	
Communication Protocol	CAN, RS-485	
Ingress Protection Rating	IP66 (Outdoor)	
Weight (kg)	~245Kg	~310Kg
Dimension (W × D × H mm)	787 × 265 × 1230 (± 2mm)	
Cooling Method	Natural FAN Cooling	
Installation Method	Floor Standing(Tower Type)	
Protections	Built-in Fire Suppression, High temperature resistant Aerogel, Over Charge/Over Discharge/Short Circuit etc.	

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Energy Qb

Power Stack 80

High-capacity modular stack for utility and C&I storage



Application Areas

- Commercial & Industrial Peak Shaving
- EV fast-charging
- Manufacturing plants
- Energy arbitrage
- Cold storage
- Utility-scale storage

Features

- Future Ready Design
- Scales up to 261kWh in one stack
- $\geq 6,000$ cycles
- 10-cluster parallel Capability
- Easy Connection and Integration
- Utility to C&I coverage





Technical Specifications

Parameters	Specifications									
Rack Nominal Energy (kWh)	80.38	100.48	120.58	140.67	160.77	180.86	200.96	221.06	241.15	261.25
Number of Modules	4	5	6	7	8	9	10	11	12	13
Nominal DC Voltage (V)	256	320	384	448	512	576	640	704	768	832
Operating DC Voltage Range (V)	224 ~ 288V	280 ~ 360V	336 ~ 432V	392 ~ 504V	448 ~ 576V	504 ~ 648V	560 ~ 720V	616 ~ 792V	672 ~ 864V	728 ~ 936V
Continuous Charge Current (A)	0.5C									
Continuous Discharge Current (A)	0.5C									
Depth of Discharge*	80% Recommended									
Parallel Capability	Upto 6 Cluster Systems									
Life Cycles	≥ 6000 @25° C*									
Cell Type	LFP (LiFePO4)									
Module Nominal Energy (kWh)	20.10									
Module Nominal Voltage (V)	64									
Module Nominal Capacity (Ah)	314									
Module Weight	~147Kg									
System Configuration	1P20S									
Operating Voltage Range (V)	56 ~ 72V									
Module Dimensions (W × D × H mm)	483 × 941 × 261mm (± 2mm)									
Temperature Range (°C)	Charge: 0° ~ 60° C, Discharge: -20° ~ 60° C, Recommended: 15° ~ 35° C									
Relative Humidity	10% ~ 95%									
Max. Operating Altitude (m)	< 3000m									
Communication Protocol	CAN, RS-485									
Ingress Protection Rating	IP20 (Indoor)									
Weight (kg)	~651Kg	~813Kg	~963Kg	~1112Kg	~1261Kg	~1423Kg	~1572Kg	~1719Kg		
Dimension (W × D × H mm)	498 × 945 × 1200	1100 × 945 × 1200	1100 × 945 × 1200	1100 × 945 × 1200	1100 × 945 × 1200	1500 × 945 × 1200	1500 × 945 × 1200	1500 × 945 × 1200	1500 × 945 × 1200	
Cooling Method	Natural FAN Cooling									
Protections	Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit etc.									

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Energy Qb Grid Core 261

All-weather outdoor battery cube for remote and harsh sites

Application Areas

- Solar plus storage
- Industrial plants
- Diesel replacement
- Renewable Integration
- Microgrids
- EV Charging
- Utility-scale storage

Features

- Outdoor IP 54 Unit
- Megawatt-Ready
- Agnostic DC block
- 10-cluster parallel Capability
- Built for remote sites
- CAN & RS-485





Technical Specifications

Parameters

Specifications

Rack Nominal Energy (kWh)	160.77	200.96	221.06	241.15	261.25
Number of Modules	8	10	11	12	13
Nominal DC Voltage (V)	512	640	704	768	832
Operating DC Voltage Range (V)	48 ~ 576V	560 ~ 720V	616 ~ 792V	672 ~ 864V	728 ~ 936V
Continuous Charge Current (A)	0.5C				
Continuous Discharge Current (A)	0.5C				
Depth of Discharge*	80% Recommended				
Parallel Capability	Upto 10 Cluster Systems				
Life Cycles	≥ 6000 @25° C*				
Cell Type	LFP (LiFePO4)				
Module Nominal Energy (kWh)	20.10				
Module Nominal Voltage (V)	64				
Module Nominal Capacity (Ah)	314				
Module Weight	~147 Kg				
System Configuration	1P20S				
Operating Voltage Range (V)	~ 56 - 72V				
Module Dimensions (W × D × H mm)	483 × 941 × 261 mm (±2mm)				
Temperature Range (°C)	Charge: 0° ~ 60° C, Discharge: -20° ~ 60° C, Recommended: 15° ~ 35° C				
Relative Humidity	10% ~ 95%				
Max. Operating Altitude (m)	< 3000m				
Communication Protocol	CAN, RS-485				
Ingress Protection Rating	IP54 (Outdoor)				
Weight (kg)	~2170Kg	~2340Kg	~2473Kg	~2620kgKg	~2961Kg
Dimension (W × D × H mm)	1200 × 1450 × 2300 (+ 2mm)				
Cooling Method	Air Conditioning (Aerosol, Perfluoro - Optional)*				
Protections	Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit etc.				

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Fe Cube Neo 45

Compact power for every last-mile trip



Application Areas

- Suitable for 2wheeler and E- Rickshaw:
Swappable, portable, and ready to go

Features

- High energy density
- Indigenous BMS





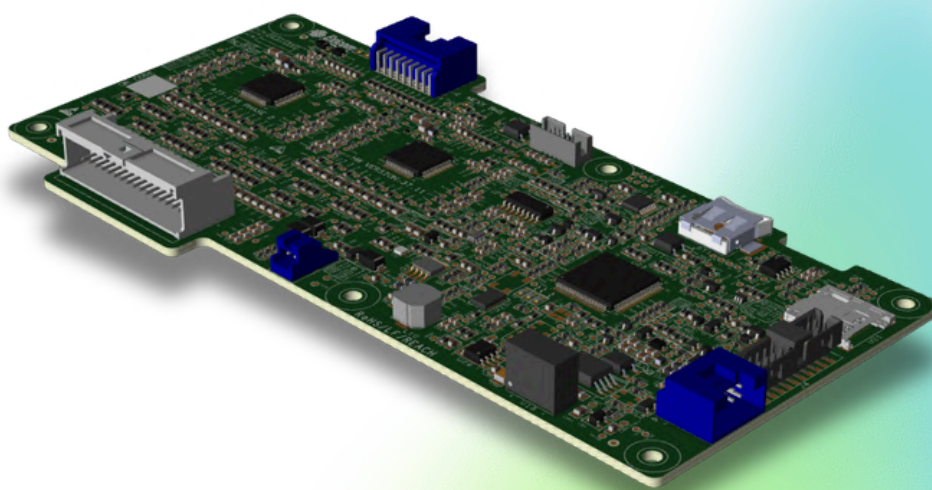
Technical Specifications

Parameters	Specifications
Battery Initial Capacity	2.3 kWh
Chemistry	LFP
Nominal Voltage	51.2 V
Cell Package Type	Cylindrical
Communication	Isolated CAN2.0A/B Public CAN, Bluetooth
Connectivity	4G Telematics
Package Dimension (L x W x H)	231 x 165 x 358
IP Protection	IP 67
Weight	21 ± 1 Kg
Pre-charge function	5 mF@ 300ms
Electrical Protection	High side fuse, Low side FET
Standards	AIS-004 Part3, AIS-156: Phase-2, amendment 3 with audio-visual alarm, SoC OLED display
Protection	Overvoltage Under-voltage Over-temperature (Charge and Discharge) Under-temperature (Charge and Discharge) Overcurrent (Charge and Discharge) External Short circuit Detection
Self-discharge rate	< 3% SOC per month (only cells)
Cooling Method	Natural Cooling
Installation Method	Wall Mounted / Rack Mounted

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Mexx BMS

Safety-first intelligence for high-capacity packs



Application Areas

- Best suited for high capacity battery packs

Features

- Voltage Range: 20V to 100V
- Design Intent for ASIL B
- Adaptive SoX Algorithms
- Multi-Layer Protection Architecture





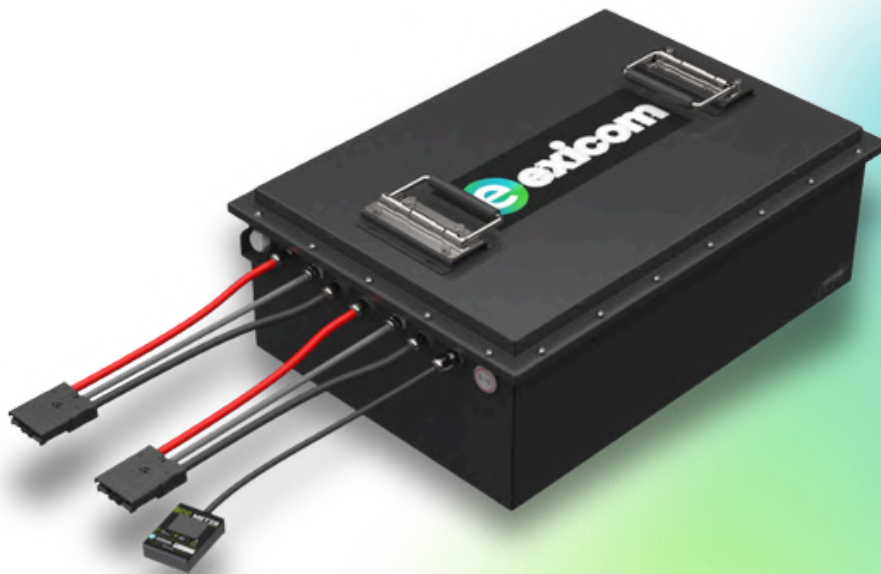
Technical Specifications

Parameters	Specifications
Battery Initial Capacity	5.4 kWh
Chemistry	LFP
Nominal Voltage	51.2 V
Cell Package Type	Prismatic
Communication	Dual channel CAN2.0A/B, Bluetooth
Connectivity	Optional Telematics
Package Dimension (L x W x H)	510 x 360 x 200
IP Protection	IP 67
Weight	48 ± 2 Kg
Pre-charge function	5 mF@ 300ms
Electrical Protection	High side fuse, Low side FET
Standards	AIS-004 Part3, AIS-156: Phase-2, amendment 3 with audio-visual alarm
Protection	Overvoltage Under-voltage Over-temperature (Charge and Discharge) Under-temperature (Charge and Discharge) Overcurrent (Charge and Discharge) External Short circuit Detection
Self-discharge rate	< 3% SOC per month
Cooling Method	Natural Cooling
Installation Method	Wall Mounted / Rack Mounted

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Fe Cube Neo 105

Built to carry the day's load



Application Areas

- L3 E Rickshaw, N&M, E-Cart, & Golf Cart

Features

- Lightweight & Compact
- Safe & Connected
- Optional IoT Device



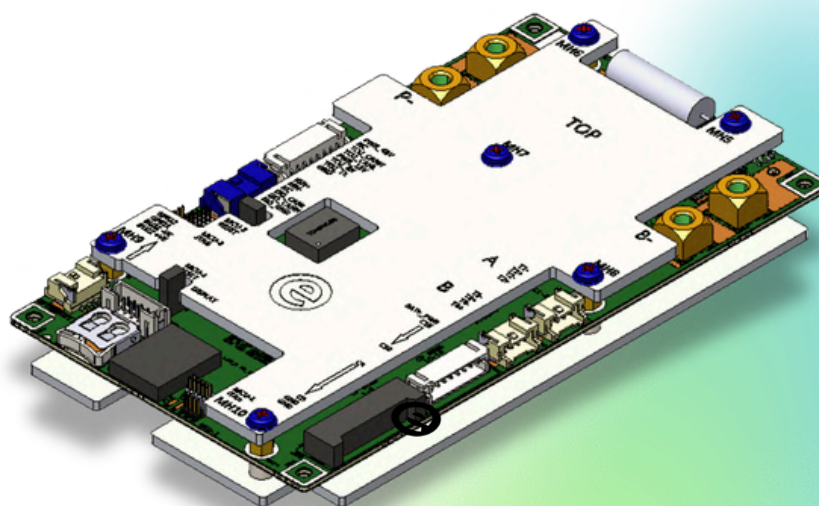


Technical Specifications

Parameters	Specifications
Number of cells in Series	8S to 28S
Chemistry supported	LFP/NMC/NCA
Maximum continuous current @ 45 degC	Defined by contactor selection
Peak current @ 45 degC	Defined by contactor selection
Short Circuit Protection	Application specific
Balancing current	Up to 100mA per cell
Onboard Pre-charge function	Up to 5mF (External)
Parallel mode	` 2
Communication	ISO CAN, BLE (OTA update available), UART (TCU with OTA update as an option)
Dimensions without Heatsink	180 X 95 X 30 mm
Tool Chain	Integrated tool for configuration and diagnostics
Target Certifications / Compliances	ROHS, AIS 004, AIS 156, AIS 048, ISO10605, CISPR25, ISO11452-2, ISO11452-8

Lite BMS

Light on power, sharp on intelligence



Application Areas

- E-Scooters and L3 / L5 3 Wheelers Industrial battery, and more

Features

- Wide Voltage Range: 7V to 80V
- Low Power Consumption
- Advanced SoC/SOH Algorithms



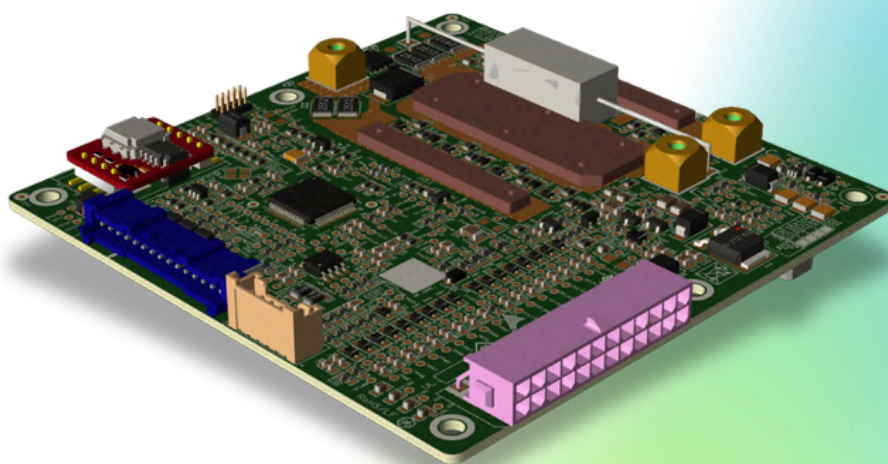


Technical Specifications

Parameters	Specifications
Number of cells in Series	16S
Chemistry supported	LFP/NMC/NCA
Maximum continuous current @ 45 degC	60A
Peak current @ 45 degC	110A
Short Circuit Protection	Configurable
Balancing current	Up to 230mA per cell
Onboard Pre-charge function	Up to 5mF (External)
Parallel mode	` 2
Communication	ISO CAN, BLE (OTA update available), UART (TCU with OTA update as an option)
Dimensions without Heatsink	160 X 90 X 3 mm
Tool Chain	Integrated tool for configuration and diagnostics
Target Certifications / Compliances	ROHS, AIS 004, AIS 156, AIS 048, ISO10605, CISPR25, ISO11452-2, ISO11452-8

Lite VE BMS

Smart protection for machines that move on their own



Application Areas

- E-Scooters and Automated Guided Vehicle (AGV), Drones, Robots etc..

Features

- Versatile Voltage Range: 7V to 80V
- Smart Protection,
- Optimized for Ultra-Low Power Use





Technical Specifications

Parameters	Specifications
Number of cells in Series	16S
Chemistry supported	LFP/NMC/NCA
Maximum continuous current @ 45 degC	45A
Peak current @ 45 degC	110A
Short Circuit Protection	Configurable
Balancing current	Up to 100mA per cell
Onboard Pre-charge function	Up to 5mF (External)
Parallel mode	` 2
Communication	ISO CAN, BLE (OTA update available), CAN & UART (TCU with OTA update available)
Dimensions without Heatsink	120 X 100 X 16 mm
Tool Chain	Integrated tool for configuration and diagnostics
Target Certifications / Compliances	ROHS, AIS 004, AIS 156, AIS 048, ISO10605, CISPR25, ISO11452-2, ISO11452-8

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