K-WONTS

Smart Energy Green Revolution

K-WONTS

Leading in Advanced Battery Solutions
Powering Railways, AGV, AMR Electric Vehicles and ESS
with cutting-edge Battery Pack and BMS.

Your Trusted Partner in Battery Technology
Delivering customized energy solutions
for various automotive brands and national infrastructure.

Engineered for Unmatched Reliability
Tailored battery systems designed
to meet and exceed your operational needs.

Certified for Quality and Performance
ISO an IATF certified,
K-WONTS drives innovation in energy Storage and mobility.

Innovating Power for Tomorrow
Collaborating with industry leaders
to deliver high-performance energy solutions.

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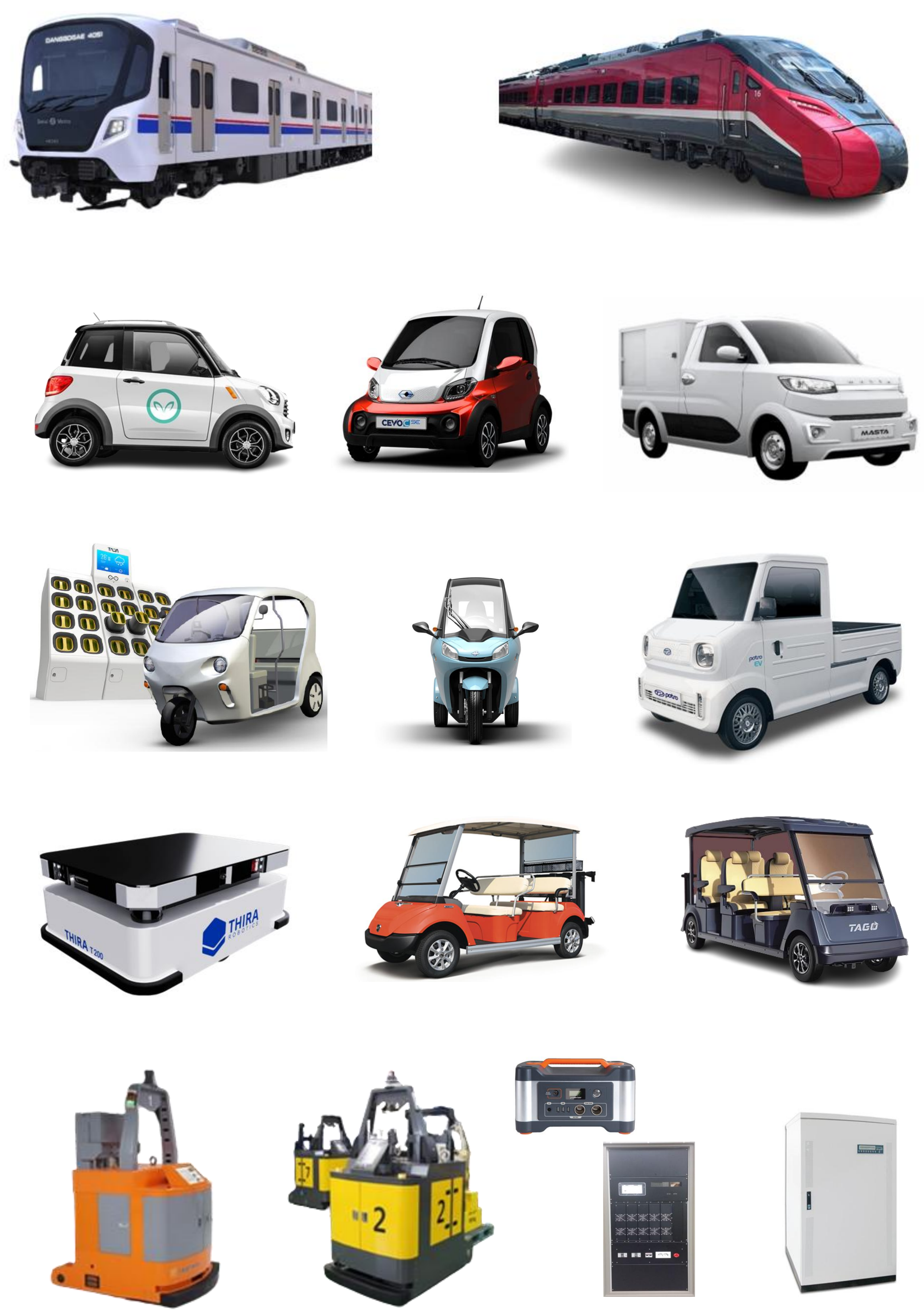
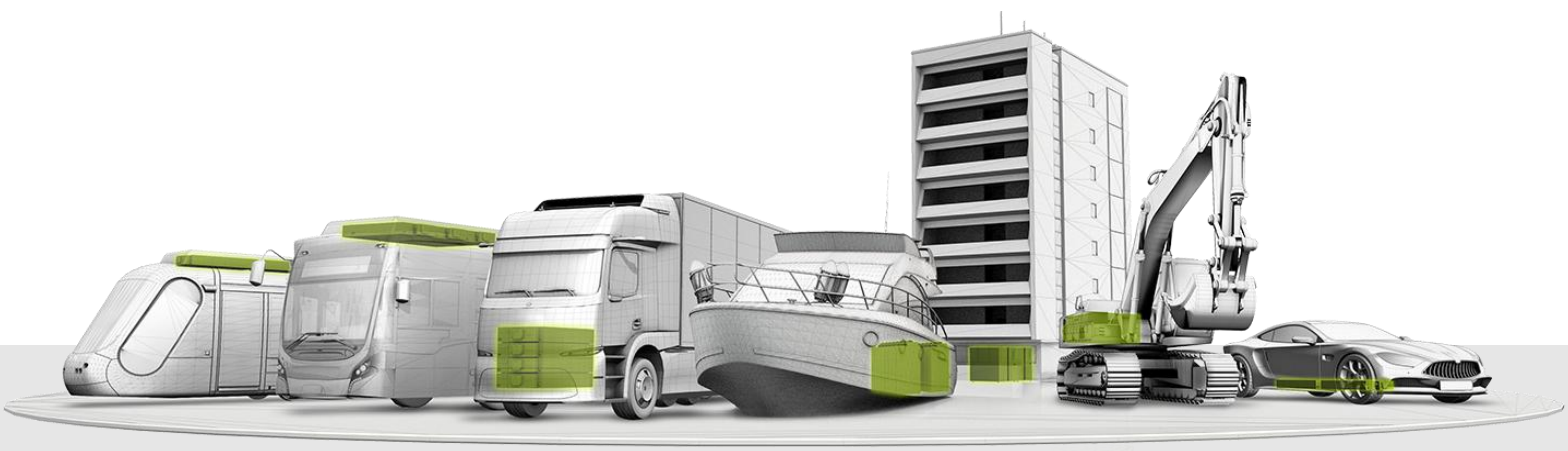


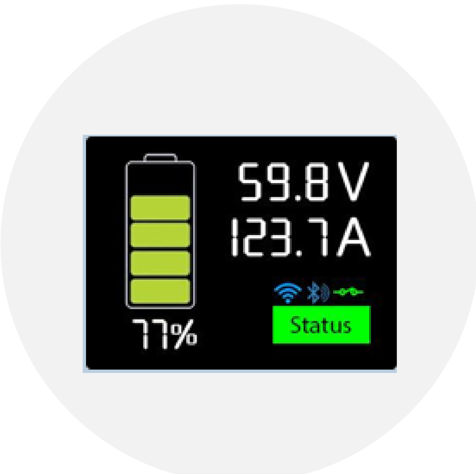


Standard Battery Pack for Golf Cart

Features

Monitoring Program Upgrade
- Enhanced Visibility
- Increased Event log from 20 to 500
- 10-day data storage

Upgraded BMS
- Automotive-grade Components
- Enhanced MCU Speed
- Upgraded RAM Capacity
- Upgraded Sensing IC

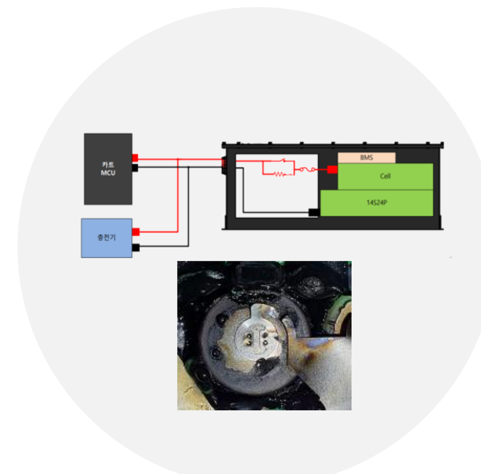


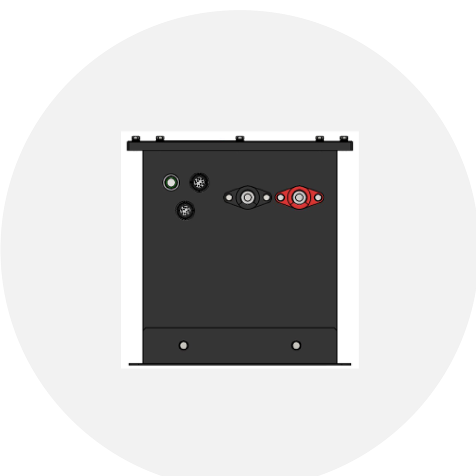
Display System (2.4” LCD)
- Battery Voltage & SOC Status
- Current Battery Status
- Battery Protection Operation Status

High Performance Li-ion Cell
- Samsung SDI 21700
- LGES 21700
- High Energy Density
- Thermal Runaway Mitigation Design

Remote Monitoring (Optional)
- Real-time Battery Monitoring
- Battery Status Management
- Fault Diagnosis
- Control System Support
- Bluetooth / Wireless

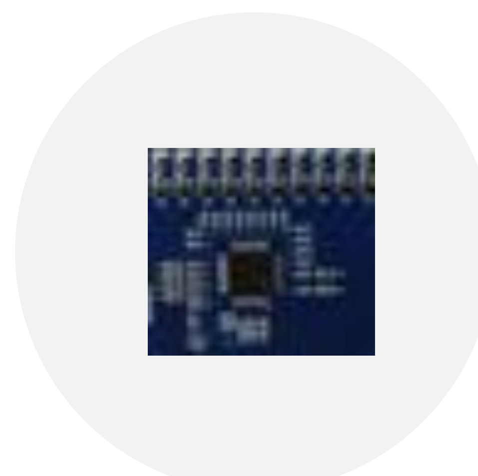
Enhanced Battery Safety
- Free Charge Function
- High-Reliability Automotive Fuse
- Automotive Power Relay(1,000V/500A)
- Thermal Runaway Prevention Design (Fuse Integration in Cell Plates)





Dust and Water Proof Improvement
- Corrosion-resistant Coating
- Optimized Battery Case Structure
- IP65 Connectors

Improved Sensing Accuracy
- Enhanced Speed from 12ms to 290us
- Sensing Accuracy within 3mV
- PRA Temperature Sensing
- Error Management within 1% using Hall Sensors



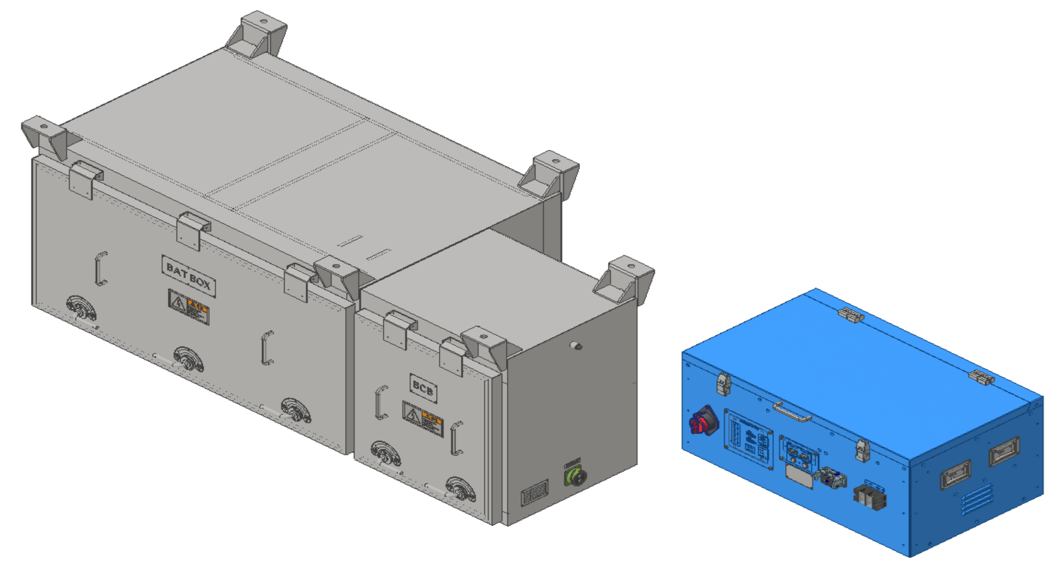
Specifications

Model		TBP-K336
Nominal Voltage		50.8V
Nominal Capacity		120Ah
Energy		6.1kW
SOC 80% (Operation @25℃)	Operating Voltage	40.6 ~ 56.5V
	Charging Voltage	56.5V
	Life Cycle	> 1,000Cycle
Current	Charging Current	30A
	Discharging Current (Cont.)	100A
	Max. Discharging (25sec.)	400A
Size (W x L x H) mm		239.6 x 674.4 x 244mm
Weight		43.5kg
BMS		Built-in
Communication		RS-232, CAN2.0B, B/T(Option)

Battery Pack for Railway

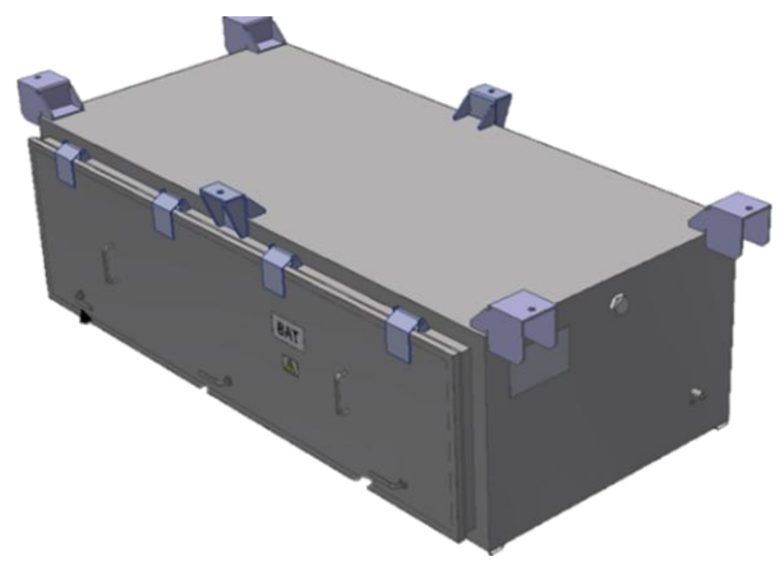
Seoul Metro Line 4

Model	Specification	Remark
Cell	SLPB130255255G1	Kokam
Module Configuration	25S1P	
Module kWh	9.2kWh	
Max Charging Voltage [V]	100V	
Charging Method	Floating Charging Method	
Pack Weight	315kg	
Cooling Type	N/A	
Indicator	RS232 & Ethernet & LED	
Charging Cut-off Voltage [V]	100V	
Discharging Cut-off Voltage [V]	72.5V	
Current [A]	Peak 230A	
Charging Temp. [℃]	-35 ~ 70℃	
Discharging Temp. [℃]	-35 ~ 70℃	
Dimension	W1,750 x L880 x H730mm	



High Speed Train ITX–Maeum (EMU-150)

Model	Specification	Remark
Cell	E530S	SK On
Module Configuration	25S4P	
Module kWh	18.3kWh	
Max Charging Voltage [V]	100V	
Charging Method	Floating Charging Method	
Pack Weight	510kg	
Cooling Type	N/A	
Indicator	CAN2.0B & TCMS & LED	
Charging Cut-off Voltage [V]	100V	
Discharging Cut-off Voltage [V]	72.5V	
Current [A]	Peak 280A	
Charging Temp. [℃]	-35 ~ 60℃	
Discharging Temp. [℃]	-35 ~ 60℃	
Dimension	W2,124 x L1,129 x H711mm	



48V Standard Battery Pack for E-Mobility

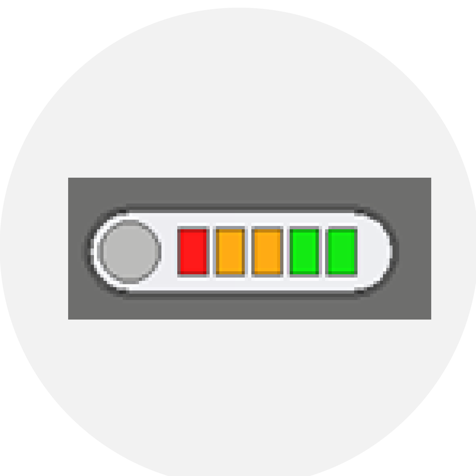
Features

BMS

- MCU Cortex-M4
- Monitoring IC (Accuracy ±5mV)
- Communication CAN2.0B

High Performance Li-ion Cell

- Samsung SDI 21700
- LGES 21700
- High Energy Density
- Thermal Runaway Mitigation Design



Display System

- Battery Voltage
- Battery SOC Status
- LED Indicator

High Performance Power FET

- Specification: 100V / 180A
- Parallel Design with 6 units for Charging and Discharging
- Enhanced Safety Design

SWAP Battery for Various Applications

E-Tuk Tuk

E-Bike

Golf Cart

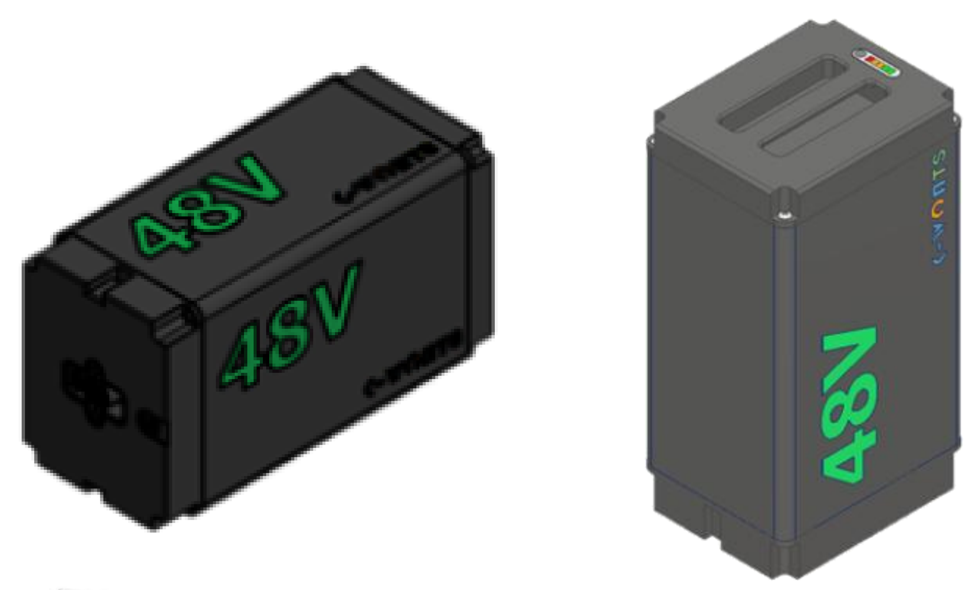
E-Lawn Mower

E-Forklift

E-Excavator

Specifications

Model	Specification	Remark
Cell	INR21700	Samsung SDI & LGES
Module Configuration	14S7P	
Module kWh	1.7kWh	
Max Charging Voltage [V]	58.1V	
Charging Method	CC-CV	
Pack Weight	12kg	
Cooling Type	N/A	
Indicator	LED(SOC) & CAN2.0B	
Charging Cut-off Voltage [V]	58.1V	4.15 / Cell
Discharging Cut-off Voltage [V]	40.6V	2.9 / Cell
Current [A]	Peak 100A	
Charging Temp. [℃]	-10 ~ 55℃	
Discharging Temp. [℃]	-20 ~ 60℃	
Dimension	W170 x L135 x H310mm	
IP Grade	IP67	



Battery Pack for E-Tuk Tuk

Features

BMS

- MCU Cortex-M4
- BMS Operating Voltage: Aux 12V
- Monitoring IC (Accuracy ±5mV)
- Communication CAN2.0B

High Performance Li-ion Cell

- Samsung SDI 21700
- LGES 21700
- High Energy Density
- Thermal Runaway Mitigation Design

Automotive Relays

- Specification: 450V 60A
- Parallel Operation Capable Design (Smart BMS)

Certification

- UN38.3 Certified

Vent Plug

- High Performance
- PBT + GF 10%

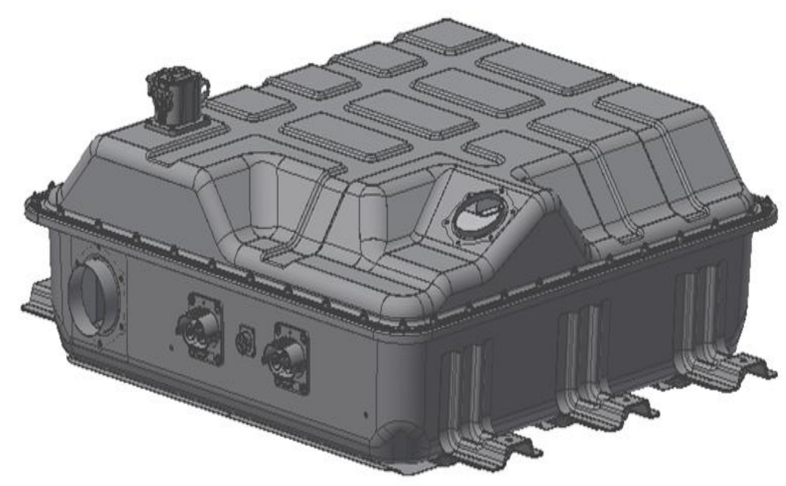
Specifications

Model	Specification	Remark
Cell	INR21700-48X	Samsung SDI
Module Configuration	14S7P	
Module kWh	1.7kWh	
Max Charging Voltage [V]	83V	
Charging Method	CC-CV	
Pack Weight	15.3kg	
Cooling Type	N/A	
Indicator	CAN2.0B	
Charging Cut-off Voltage [V]	83V	4.15 / Cell
Discharging Cut-off Voltage [V]	58V	2.9 / Cell
Current [A]	Peak 80A	
Charging Temp. [℃]	-10 ~ 45℃	
Discharging Temp. [℃]	-20 ~ 60℃	
Dimension	W185 x L185 x H344mm	
Fuse	100VDC/150A	

Battery Pack for Micro EV Truck

Dpeco POTRO

Model	Specification	Remark
Cell	INR21700-48X	Samsung SDI
Module Configuration	96S9P	
Module kWh	15.1kWh	
Max Charging Voltage [V]	398.4V	
Charging Method	CC-CV	
Pack Weight	103.5kg	
Cooling Type	Air Cooling	
Indicator	CAN2.0B	
Charging Cut-off Voltage [V]	398.4V	
Discharging Cut-off Voltage [V]	278.4V	
Current [A]	Peak 100A	
Charging Temp. [℃]	-10 ~ 45℃	
Discharging Temp. [℃]	-20 ~ 60℃	
Dimension	W834 x L936 x H301.9mm	



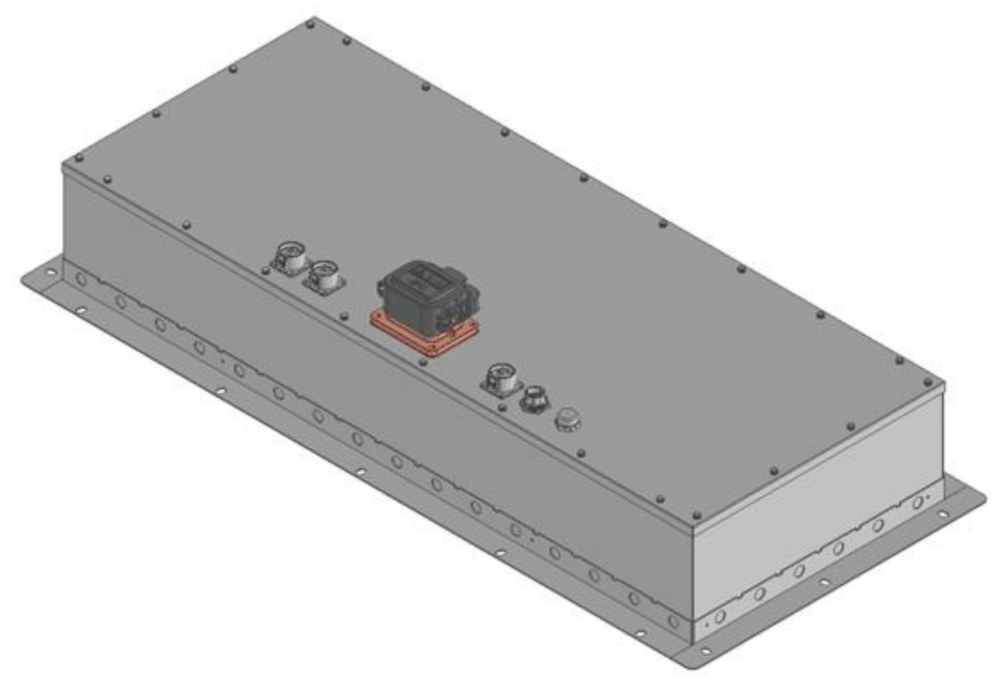
MASTA EV HIM

Model	Specification	Remark
Cell	INR21700-50G	Samsung SDI
Module Configuration	20S28P	
Module kWh	10.2kWh	
Max Charging Voltage [V]	83V	
Charging Method	CC-CV	
Pack Weight	79.8kg	
Cooling Type	N/A	
Indicator	CAN2.0B	
Charging Cut-off Voltage [V]	83V	
Discharging Cut-off Voltage [V]	58V	
Current [A]	Peak 336A	
Charging Temp. [℃]	-10 ~ 45℃	
Discharging Temp. [℃]	-20 ~ 60℃	
Dimension	W880 x L393.3 x H201.8mm	

Battery Pack for Micro EV

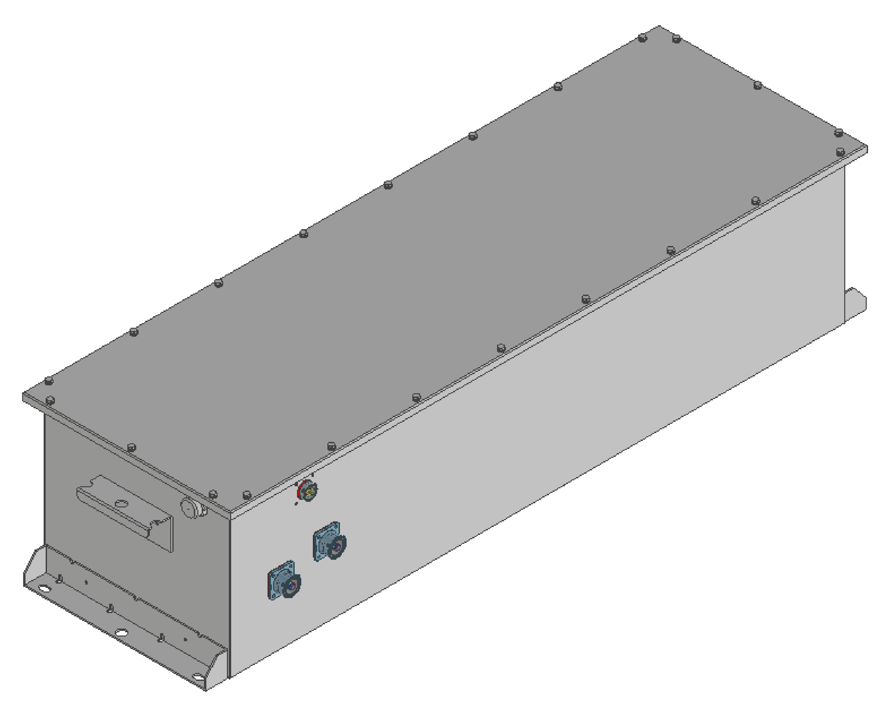
CAMSYS CEVO

Model	Specification	Remark
Cell	INR21700-50G	Samsung SDI
Module Configuration	20S28P	
Module kWh	10.2kWh	
Max Charging Voltage [V]	83V	
Charging Method	CC-CV	
Pack Weight	72.9kg	
Cooling Type	N/A	
Indicator	CAN2.0B	
Charging Cut-off Voltage [V]	83V	4.15/Cell
Discharging Cut-off Voltage [V]	58V	2.9/Cell
Current [A]	Peak 350A	
Charging Temp. [℃]	-10 ~ 45℃	
Discharging Temp. [℃]	-20 ~ 60℃	
Dimension	W1,027 x L452 x H209.2mm	



Maiv M1

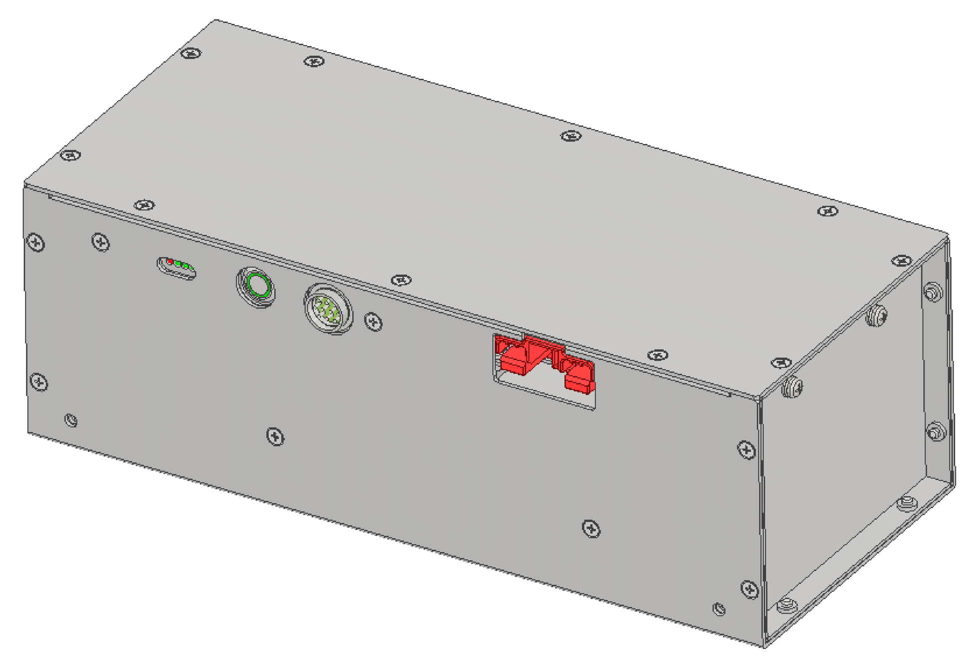
Model	Specification	Remark
Cell	INR21700-50G	Samsung SDI
Module Configuration	20S28P	
Module kWh	10.2kWh	
Max Charging Voltage [V]	83V	
Charging Method	CC-CV	
Pack Weight	72.1kg	
Cooling Type	N/A	
Indicator	CAN2.0B	
Charging Cut-off Voltage [V]	83V	4.15/Cell
Discharging Cut-off Voltage [V]	58V	2.9/Cell
Current [A]	Peak 300A	
Charging Temp. [℃]	-10 ~ 45℃	
Discharging Temp. [℃]	-20 ~ 60℃	
Dimension	W294.6 x L934 x H224.8mm	



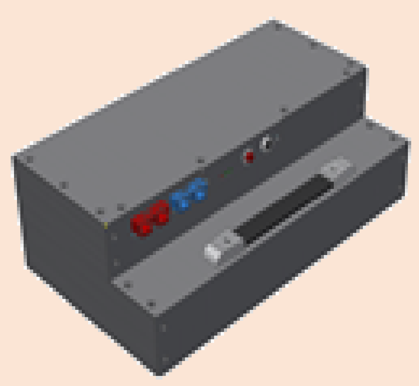
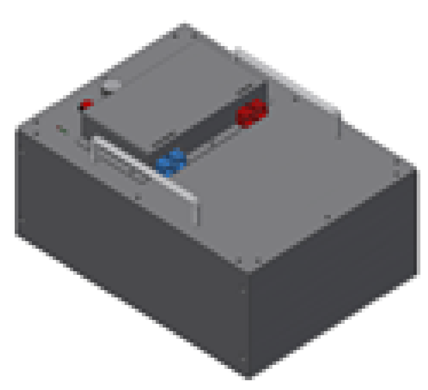
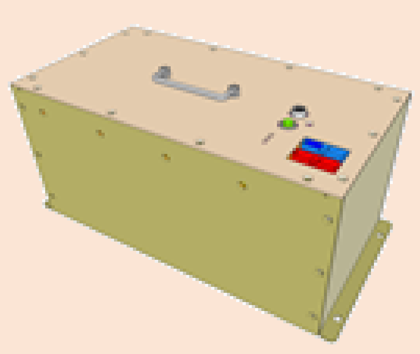
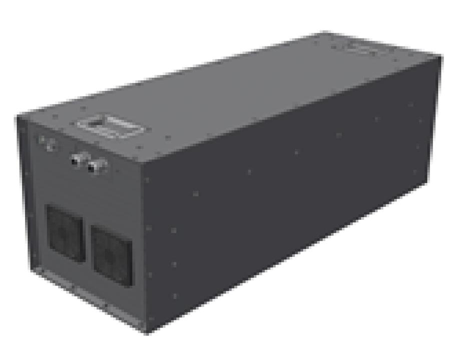
Battery Pack for AMR/AGV

THIRAROBOTICS

Model	Specification	Remark
Cell	INR21700-48X	Samsung SDI
Module Configuration	7S8P	
Module kWh	0.97kWh	
Max Charging Voltage [V]	29.05V	
Charging Method	CC-CV	
Pack Weight	72.9kg	
Cooling Type	N/A	
Indicator	CAN2.0B	
Charging Cut-off Voltage [V]	29.05V	4.15/Cell
Discharging Cut-off Voltage [V]	20.3V	2.9/Cell
Current [A]	Peak 40A	
Charging Temp. [℃]	-10 ~ 45℃	
Discharging Temp. [℃]	-20 ~ 60℃	
Dimension	W185 x L185 x H344mm	



Other Battery for AGV/AMR

Image	Model Name	Voltage [V]	Capacity [Ah]	Size W x D x H [mm]	Weight [kg]
	TBP-K210	25.2V	40.8Ah	335 x 190 x110mm	6.8kg
	TBP-K231	25.2V	68.0Ah	250 x 345 x 157mm	15.7kg
	TBP-K261	46.8V	40.8Ah	169 x 350 x 168mm	14.8kg
	TBP-K289	50.96V	153.6Ah	300 x831 x 127mm	67.5kg