

# SAFETY MANAGEMENT



## Battery & Electrical Safety

- High Voltage Isolation
- Multi-layer Battery Protection
- Thermal & Fire Safety



## Protective Safety Mechanisms

- Auto Power Cut-off During Driving
- Abnormal Charging Shutdown Protection
- Door/E-Stop Interlock



## Charging Control & On-Site

- Charging Connector Management
- Multi-protocol Compatibility
- User-friendly Interface



## Remote Monitoring, Maintenance & Cybersecurity

- Real-time Remote Monitoring
- Predictive Maintenance
- Cybersecurity & Data Backup



## AI-Driven Diagnostics and Predictive Maintenance

- Rescue Demand Prediction
- Battery Health Forecasting
- Smart Charging Optimization



## Billing & Cost Management

- Flexible Pricing Models
- External Billing & E-Invoicing
- Customer Account & Billing Records

*Power Your Success*



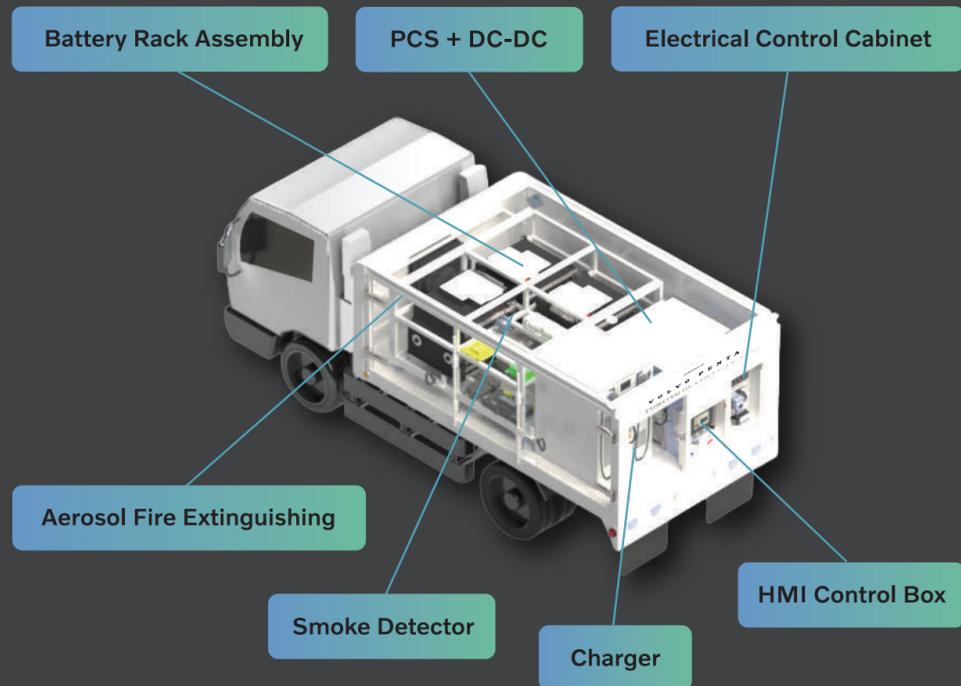
**SEETEL**

**MOBILE CHARGER  
with Battery 270 kWh**



POWERED BY

**VOLVO  
PENTA**



### System Specification

Battery Chemistry	NCA (Nickel Cobalt Aluminum) – Cylindrical Cell
Total Installed Energy	270 kWh (90 kWh * 3)
Rated Capacity	289.38 Ah
System Voltage (Min/Nom/Max)	500 V / 660 V / 750 V
Continuous Charging Rate	0.5 C
Continuous Discharging Rate	1 C
Ambient Operating Temperature	-20°C to +40°C
Max Operating Altitude	3,000 meters
Cooling System Type	Compressor (Active Cooling Unit)
Fire Suppression System	Aerosol Fire Extinguishers
AC Input Voltage	220 V / 380 V AC, 3-phase, 50–60 Hz ± 15%
Charging Time	Approx. 7–8 hrs at 60 A, 380 V, 3-phase
Input Plug Type	CEE plug 100 A
Container Dimension (L x W x H)	4150 x 2100 x 1300 mm

### Charger

Max Power	180 kW
Simultaneous Output	Balance Distribute
Efficiency	> 94%
Charger Plug Type	CCS2

### Vehicle

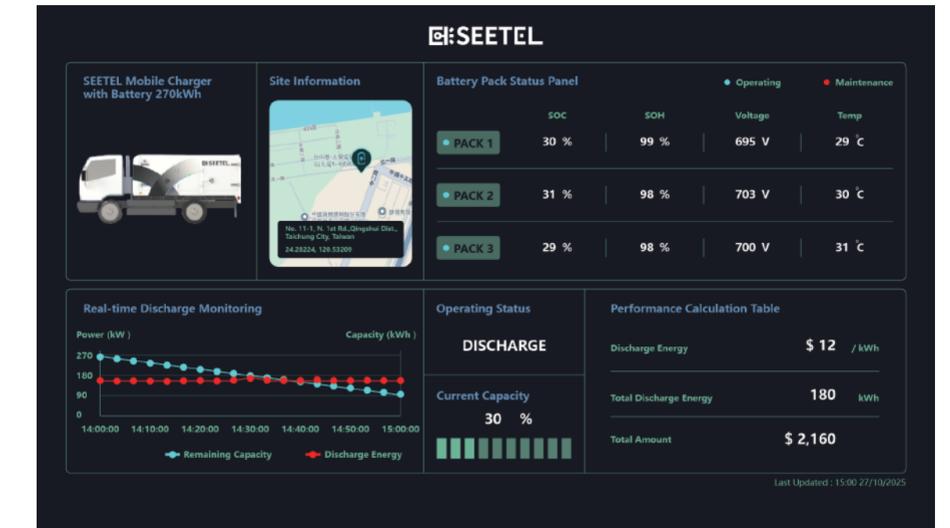
Gross Vehicle Weight	5,000 kg	Chassis Curb Weight (Approx.)	2,345 kg
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### Weight of BESS Components

Battery*3	1,599 kg	DC-DC_BESS	14.9 kg
Battery Rack	260 kg	Junction Box	1.27 kg
Heater_BESS	5.7 kg	Pump Unit_BESS	3.2 kg
Expansion Tank	2.53 kg	DC-2	300 kg
Control Unit - HCPU - ECM4_BESS	1.9 kg	Power Control Panel	20 kg
Control Unit - TGW3_BESS	1.2 kg	HMI Panel Assembly	15 kg
Cooling Package_BESS	50 kg	Charger Frame	80 kg
PCS + DC-DC	300 kg		
<b>Total</b>			<b>4924.7 kg</b>

Notice: This is not a final specification. Some parametric limits are subject to change.

## Smart EMS, Swift Response



Equipped with real-time insights and adaptive learning, EMS accelerates energy forecasting and optimizes dispatch with unmatched precision.

## Mobile Charging Solution



It is a reliable mobile charging solution designed to meet diverse electric equipment needs, including boost charging, establishing temporary charging stations, or delivering on-demand recharging services.