



Brandt

BATTELEC

Scope: BRANDT - Battelec Intro

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MAFINI Group - Companies

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Battelec



Industrial PB Battery Assembly
Saint-Jean-Sur-Richelieu, Québec
Since 1974



Bassi Labs

Industrial chargers
Boisbriand, Québec
Since 1999



Battelec Combat



Industrial PB Battery Sales
Mississauga, Ontario
Since 1957



Velox

Industrial Li-ion Battery Sales
Boisbriand, Québec
Since 2022



Battelec New England

Industrial PB Battery Sales
Holyoke, Massachusetts
Since 2000



Batteries Drummond

Starter batteries sales, service
Drummondville, Québec
Since 2005

MAFINI group join forces of subsidiaries in the motive power business, each expert in their field or territory.



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Battelec - Lead Acid **Battery**

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Perfect combination of European technology
with North-America standards of assembly.



RHINO
TUBULAR

BCI cells
Tubular

Extra Tubular Plates
For higher capacity and reduced stress








Burn on intercell
For durability



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Bassi Labs Charger Technologies

VS compact HF competitor

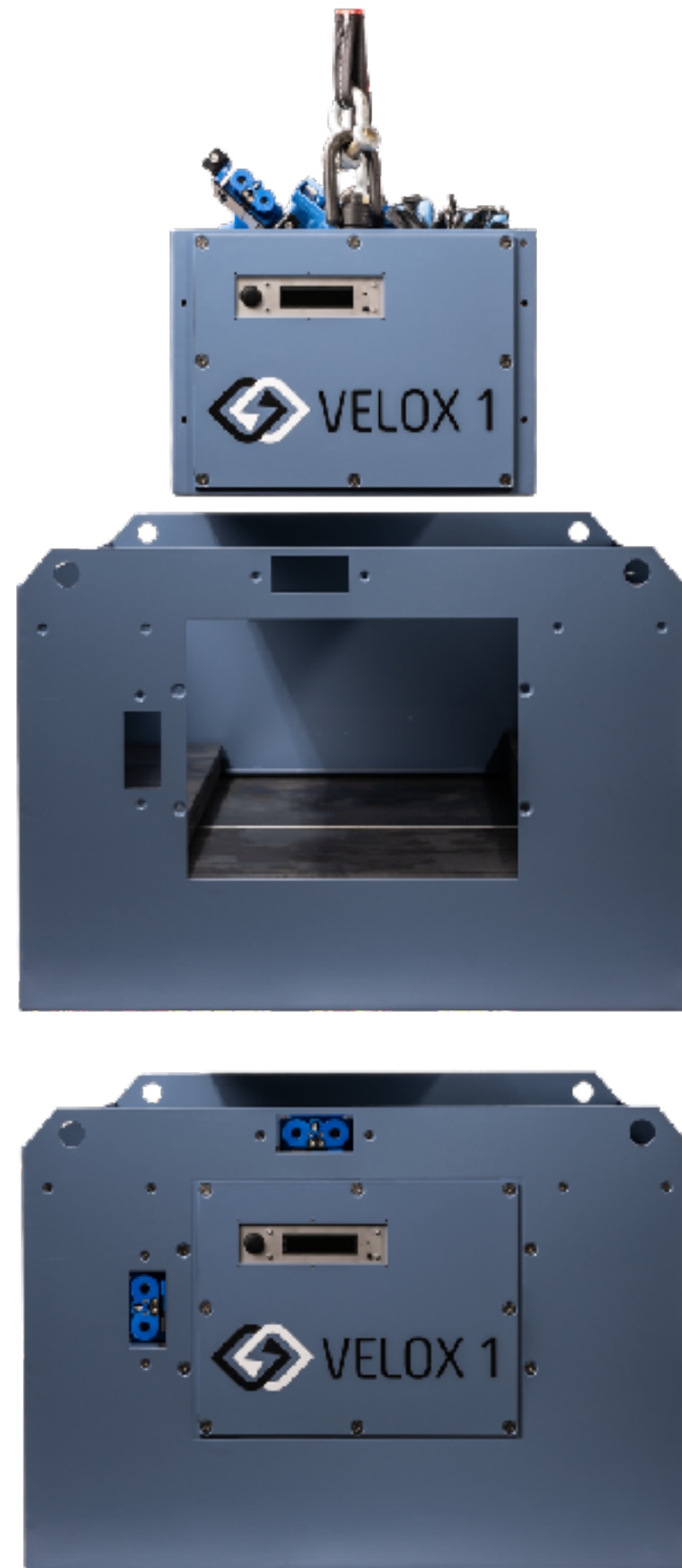
	<p>Classik</p>  <p>Conventional Charging</p> 	<p>Logik</p>  <p>Opportunity Charging</p> 	<p>Omni</p>  <p>Lithium, Automated Watering</p> 
Conventional/Opportunity Charging Competitor	Control Flux	Multi High Frequency	Hybrid High Frequency
Compact High Frequency			
2y warranty 4-7y lifespan	3y 100%, 5y power warranty 20y+ lifespan	5y 100%, 10y power warranty 20y+ lifespan	5y 100%, 10y power warranty 20y+ lifespan
single input, output 24-48V or 72-80V	dual input, single output	dual input, single output	dual input, full output range 12/24/36/48/80/96Vdc
\$\$\$	\$	\$\$\$	\$\$\$\$



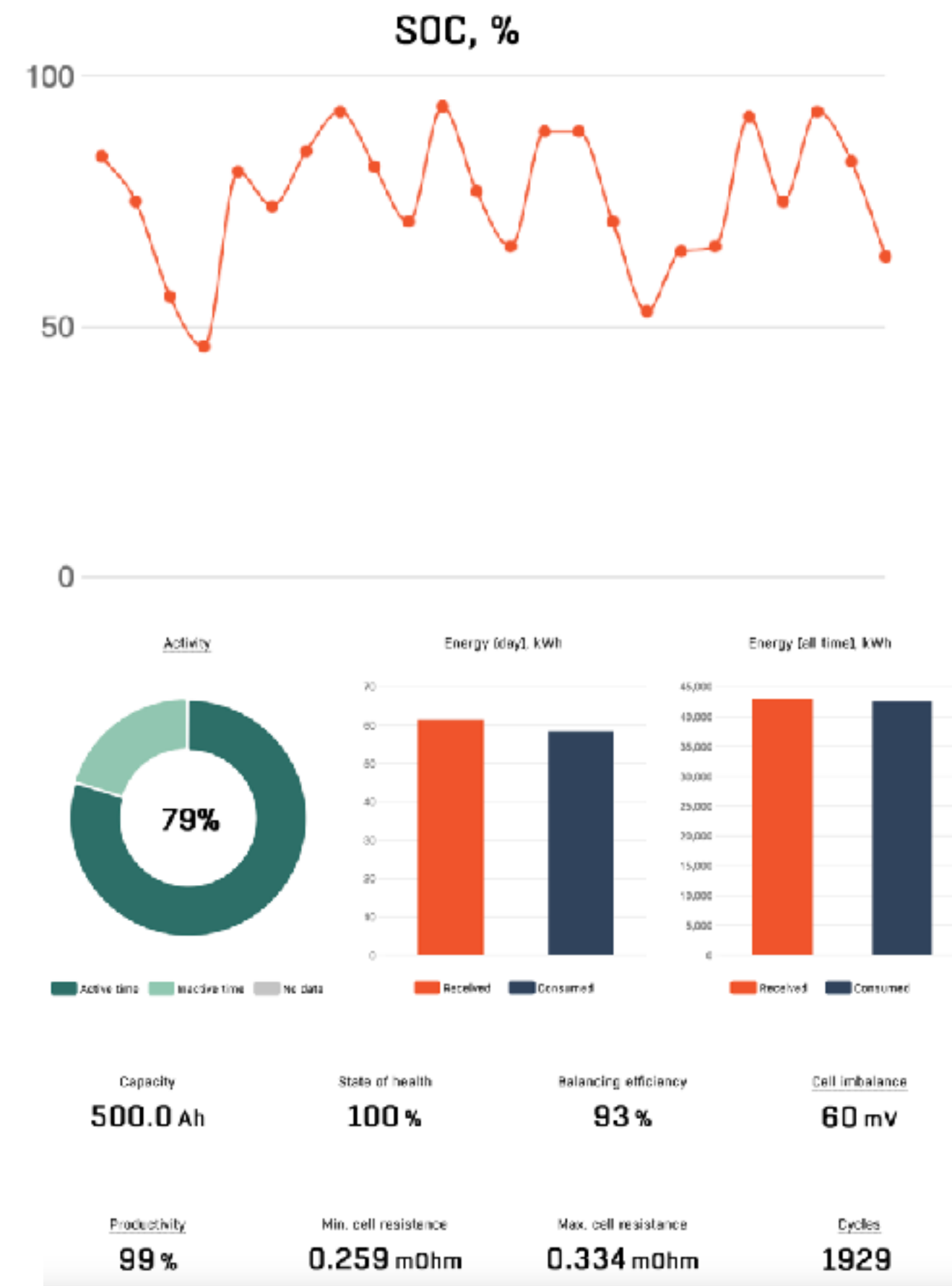
VELOX ECOSYSTEM

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Modular



Cloud



Omni Stations

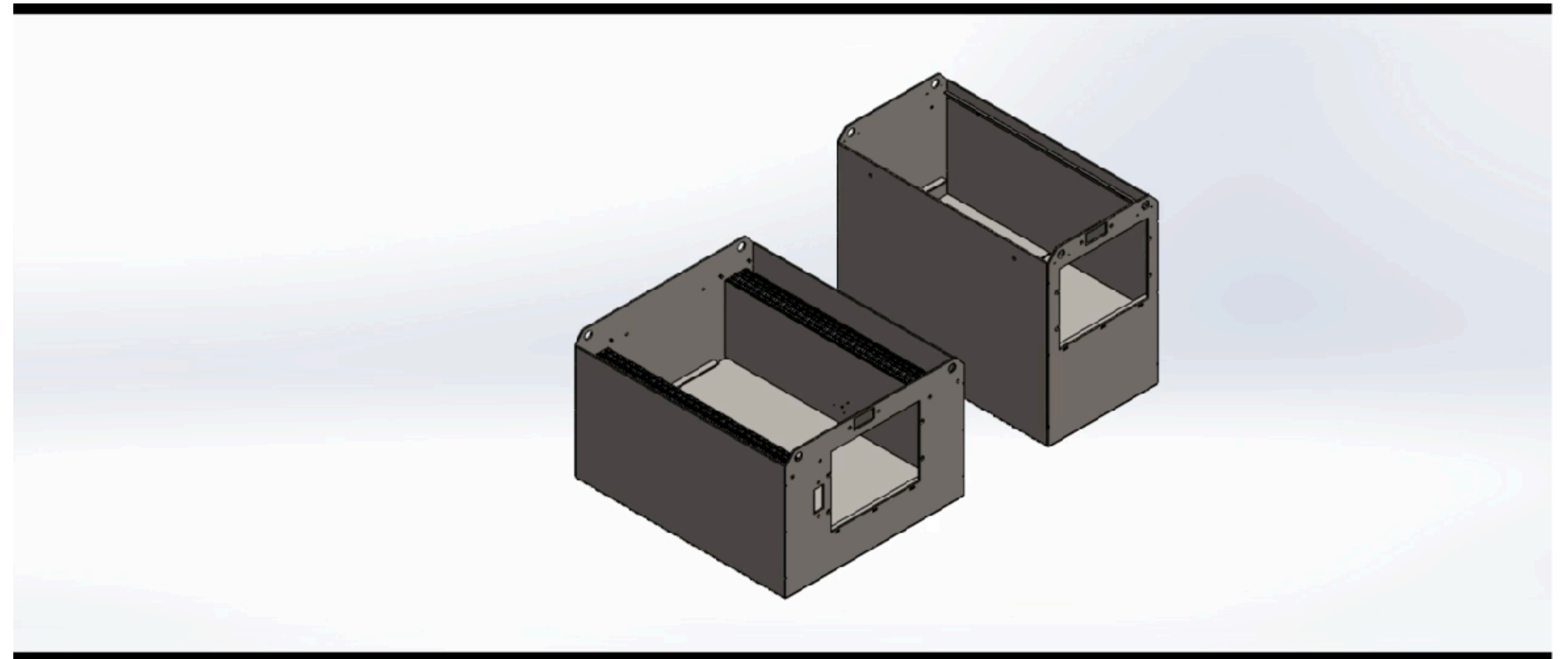
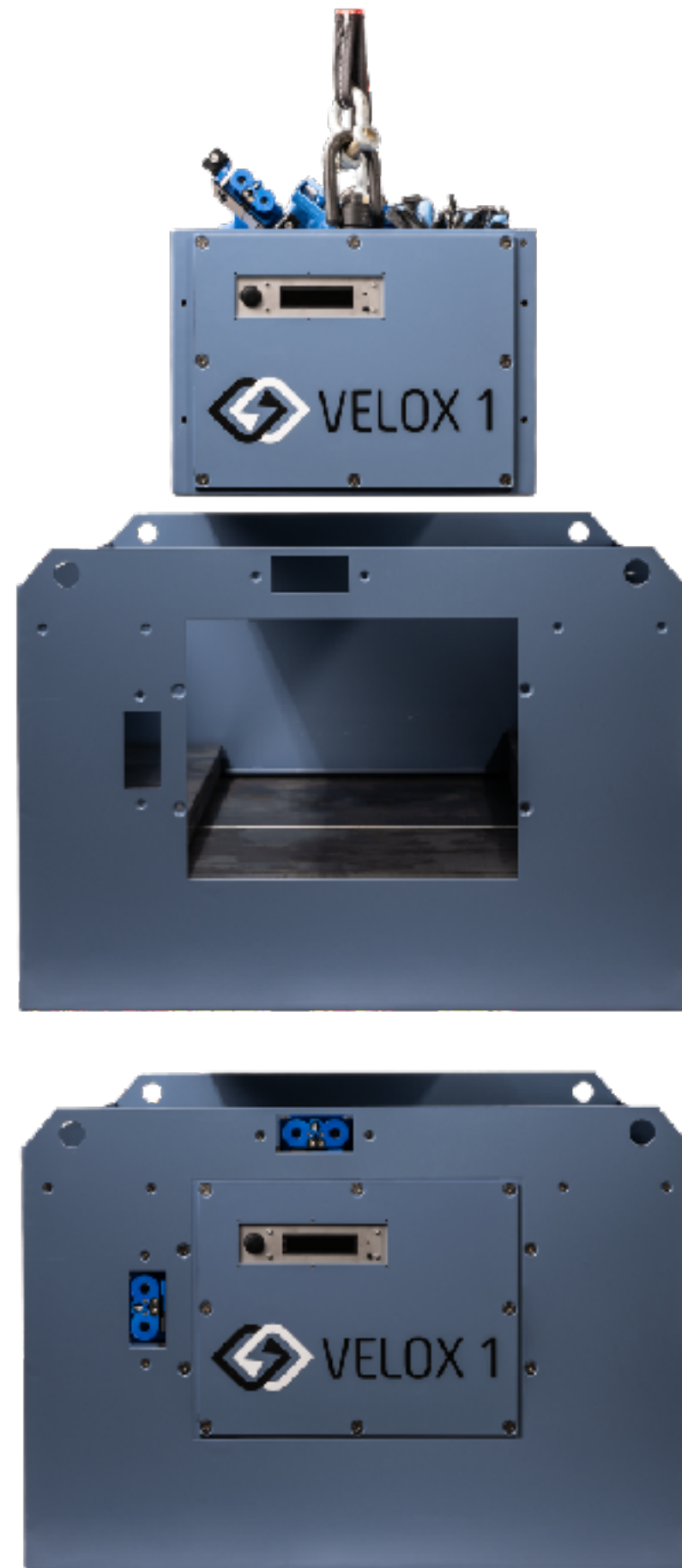


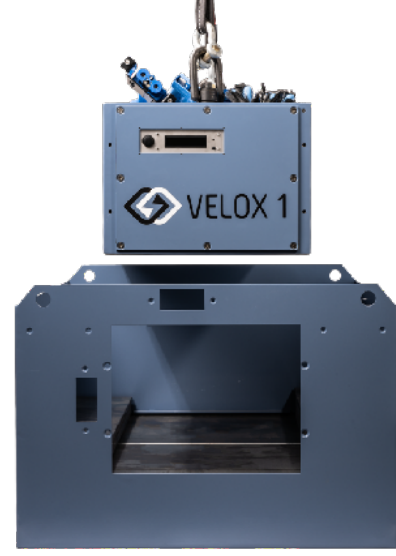
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VELOX ECOSYSTEM

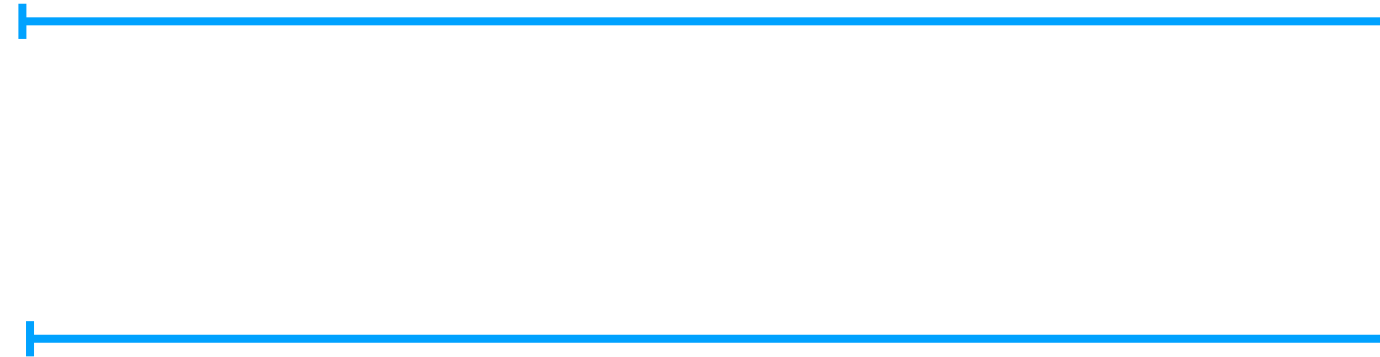
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Modular





VeloxFlex



12h/day
motor hours

300A
5-95% under 72 minutes

2X
Price of Lead Acid

EBOXSERIES

VeloxPlus

eBOX System
Interchangeable

VeloxPower.Cloud
Connectivity

20h/day
motor hours

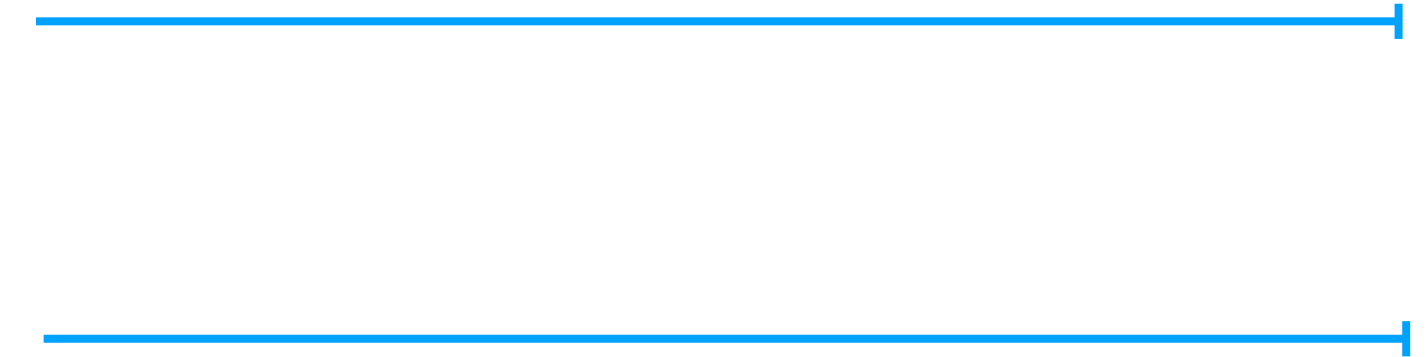
400A
5-95% under 60 minutes

4X
Price of Lead Acid



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VeloxMax



22h/day
motor hours

1200A
5-95% under 30 minutes

6X
Price of Lead Acid

VELOXECOSYSTEM

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Omni Stations



Multi-Voltage OUT
Automatic 12-96Vdc

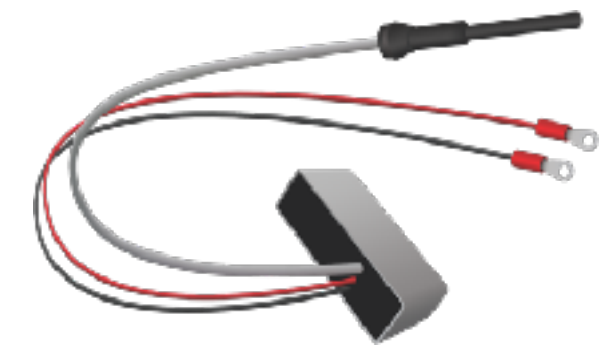
Multi-Voltage IN
Manually set 3x600/480Vac

500A Connector
Anti-Arcing included

10y warranty
included

Cable Retractor
included

Floor Stand
included

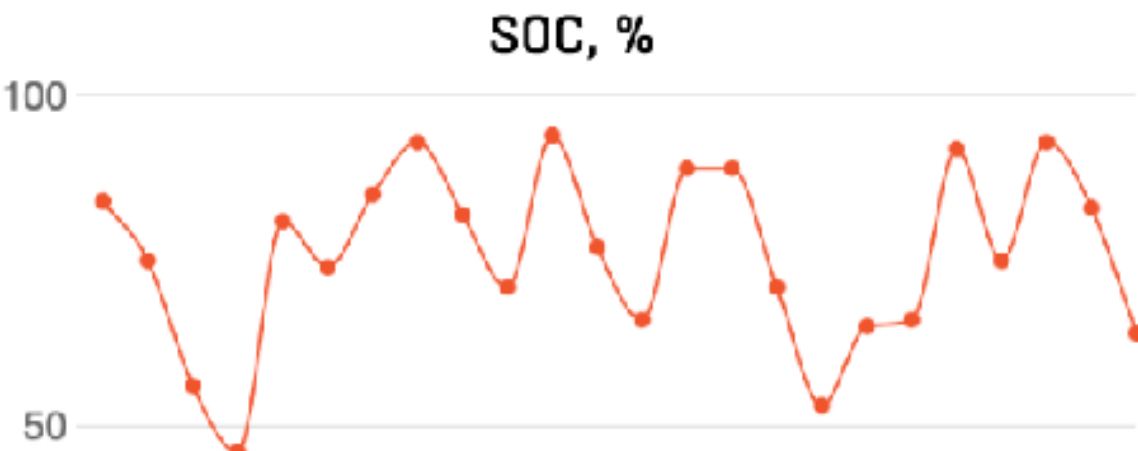
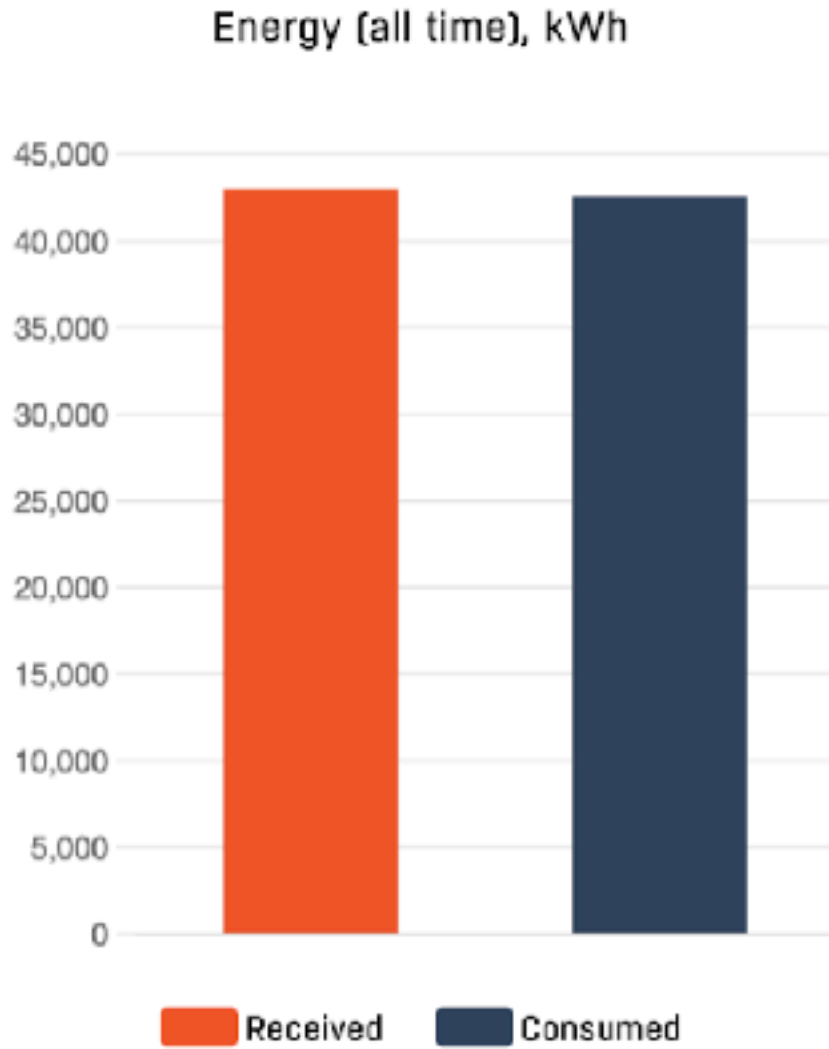
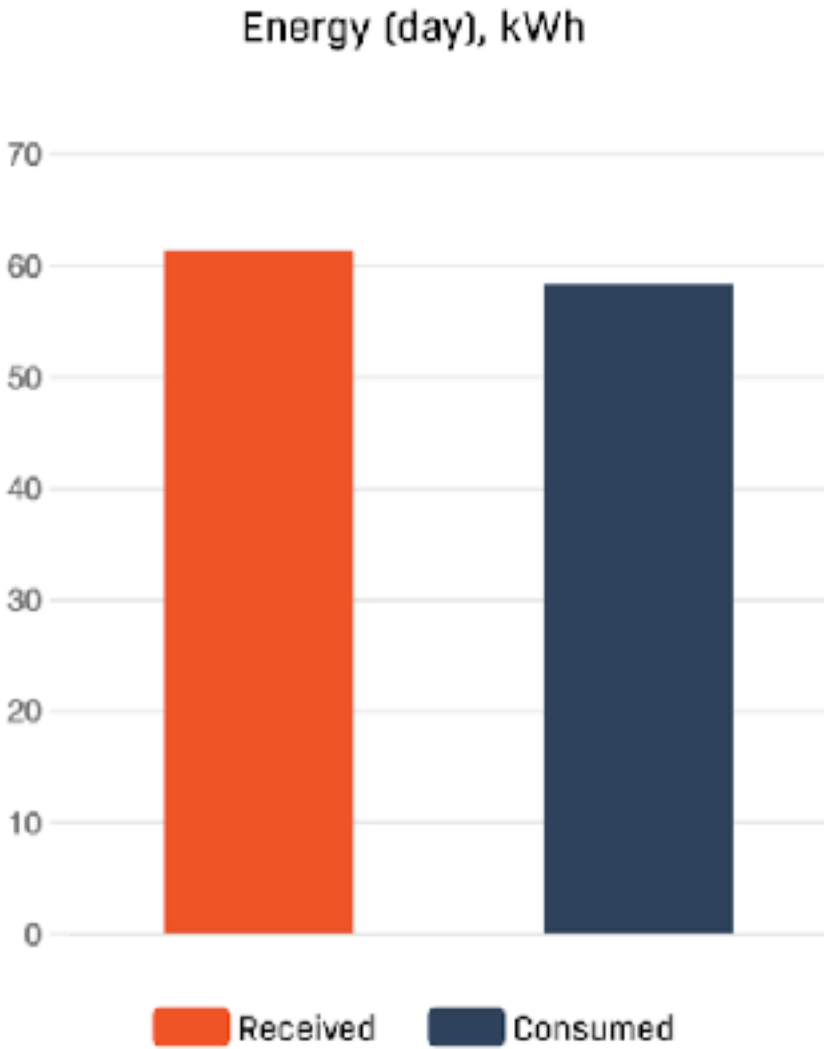
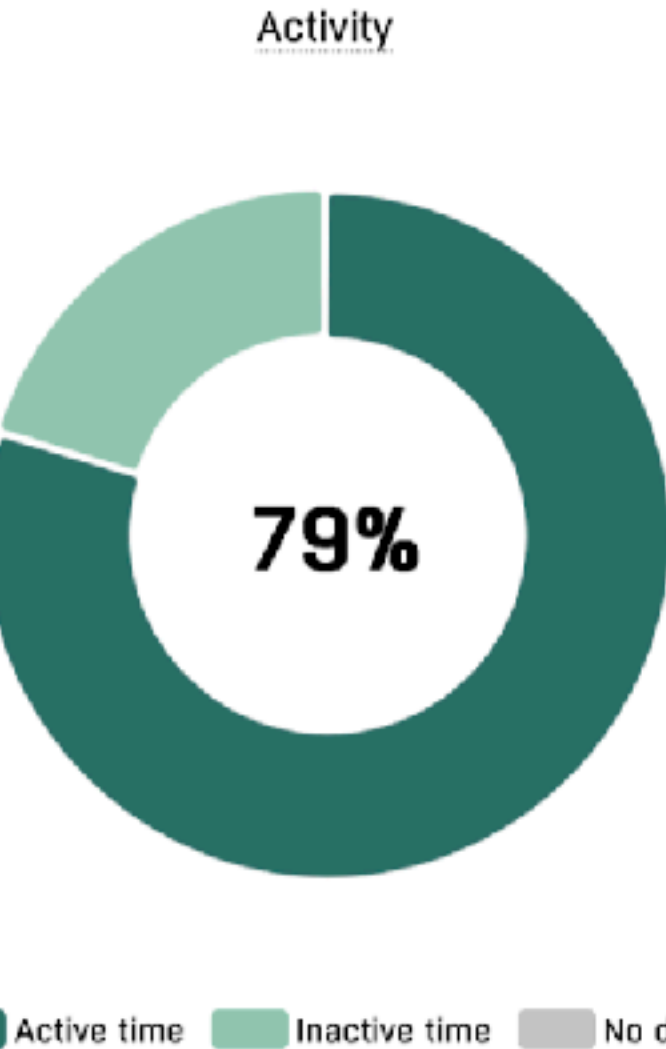


Multi-Chemistry
Equip your traditional LEAD batteries with BMOD, the charger will automatically recognize



Harsh Environment
Optionnal Harsh Environment Lines Available.

VeloxPower.cloud
Fleet Management



StatesErrors (0)

☐ Work☒ Charge☐ Idle☐ No data

Search...

State	Start time	End time	Start SOC, %	End SOC, %	Received energy, kWh	Consumed energy, kWh
Charge	00:01:03	00:34:34	48	90	8.1	0.0
Charge	03:29:53	04:10:47	38	84	8.8	0.0
Charge	06:20:52	06:53:01	69	100	6.4	0.0
Charge	09:33:46	10:08:31	63	100	7.1	0.0
Charge	13:03:13	13:38:25	62	100	7.3	0.0
Charge	16:56:23	17:13:46	43	68	4.9	0.0
Charge	18:09:11	19:04:20	56	100	8.3	0.0
Charge	21:02:20	21:36:29	65	98	6.5	0.0

Capacity
500.0 Ah

State of health
100 %

Balancing efficiency
93 %

Cell imbalance
60 mV

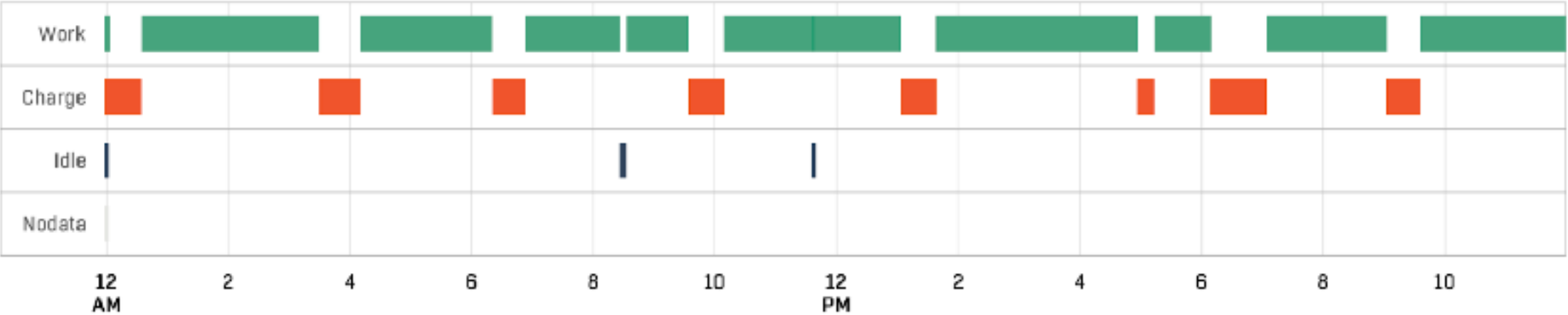
Productivity
99 %

Min. cell resistance
0.259 mOhm

Max. cell resistance
0.334 mOhm

Cycles
1929

Battery timeline



VELOXECOSYSTEM

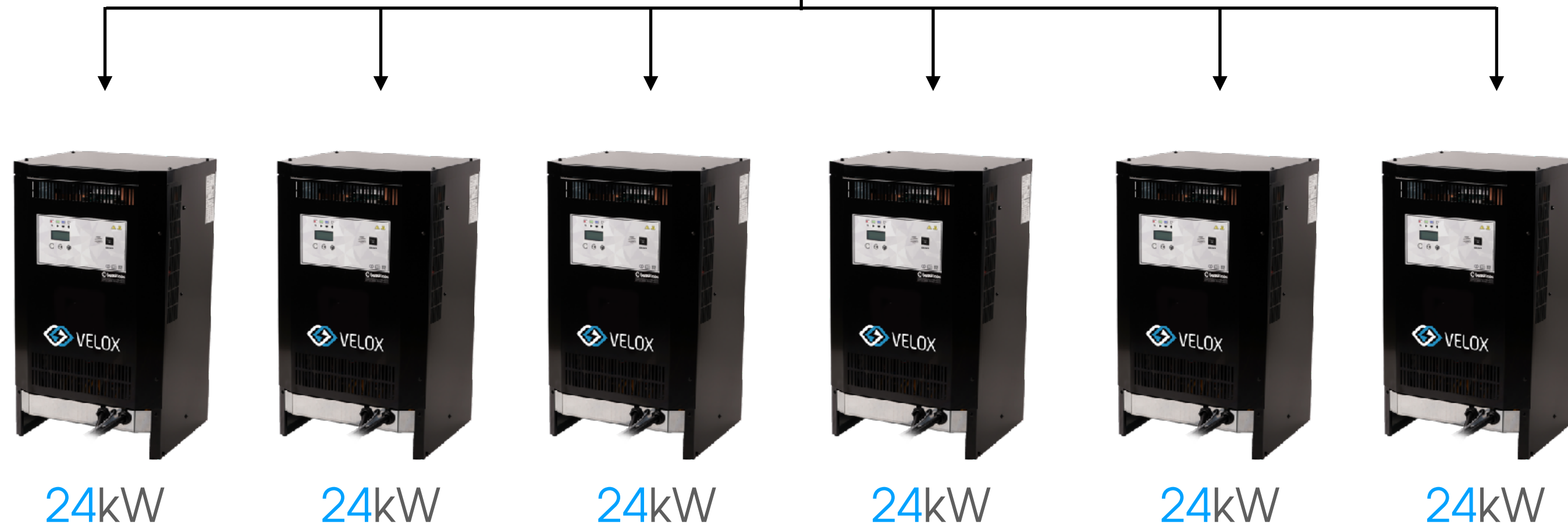
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PowerBOX

Max= xxkW



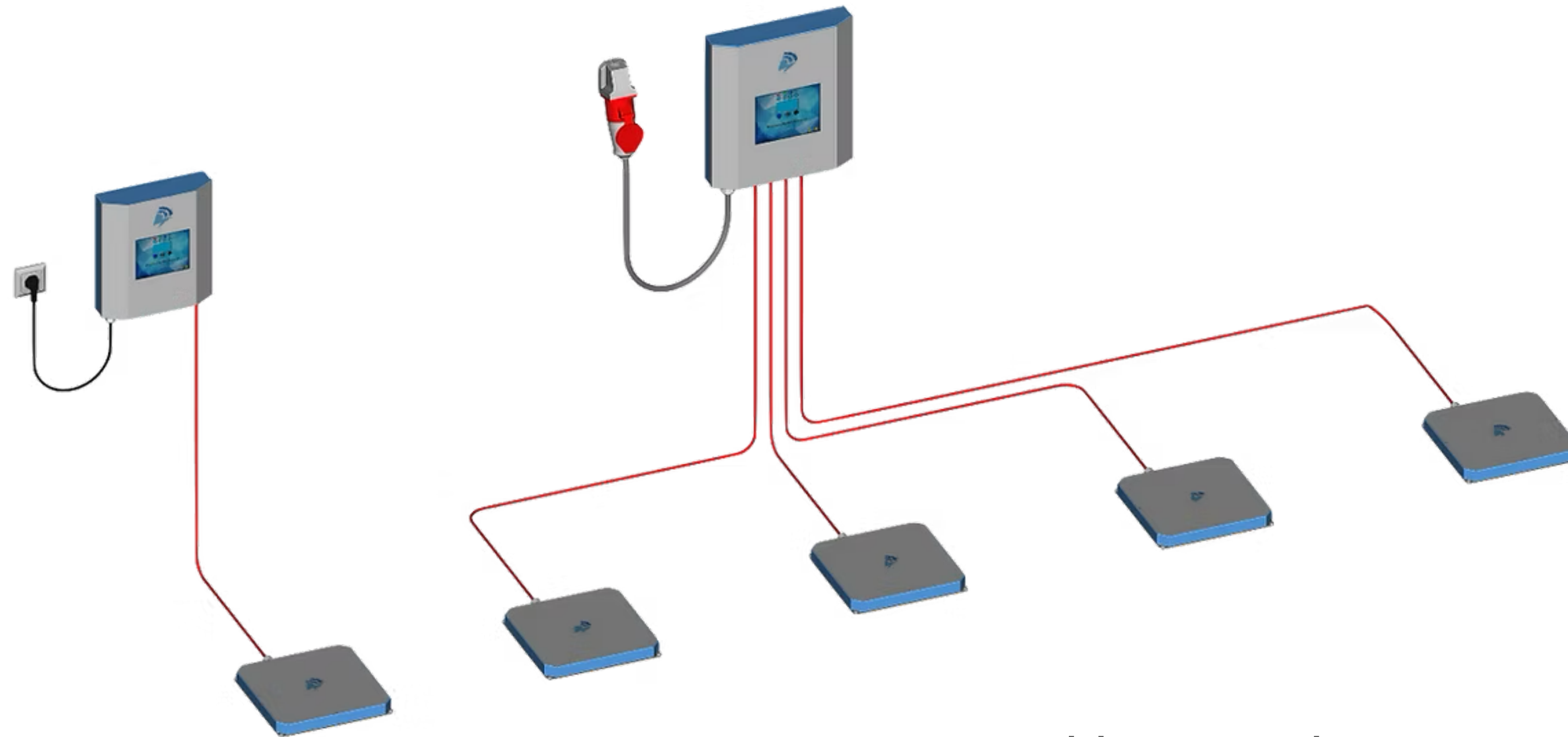
MaxFleet Power
Dynamic kWh Management



VELOXECOSYSTEM

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Wireless Charging



Upcoming
AVG ready

COMING SOON

VELOXECOSYSTEM

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ESCCharger

Providing an **ultra fast charge output charger**, with the input of a conventional charger.



COMING SOON

VELOX ECOSYSTEM

YOU'RE FUTURE-READY FORKLIFT ENERGY ECOSYSTEM

iBOX Project

OnBoard Charging, Modular

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COMING SOON

Application Sizing (4h30 per shift)

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Crown RC 21"
(LI-ion)

STATE OF CHARGE SIMULATION

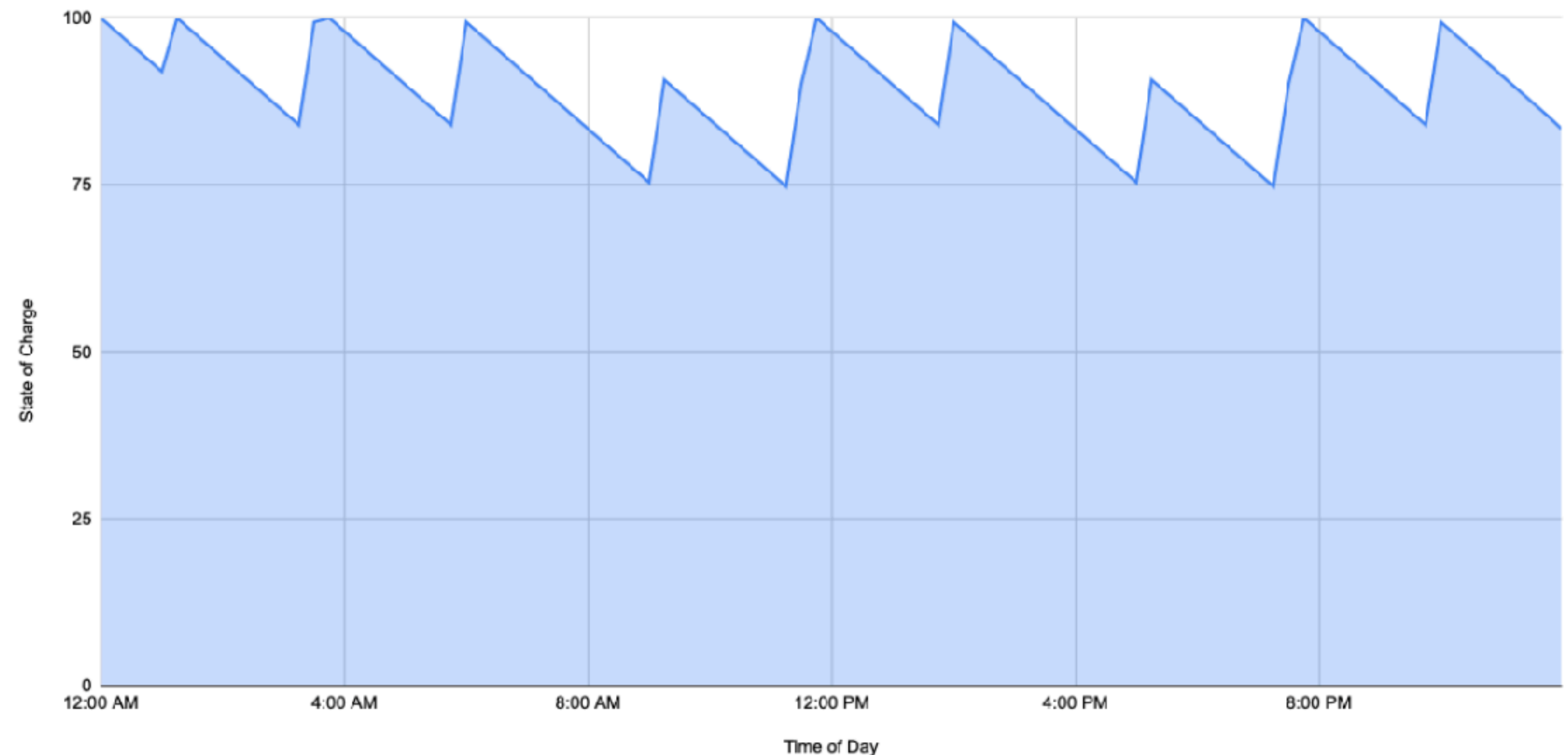
CHARGING EVENTS	EVENT START	EVENT END
1st Charge	1:00 AM	1:15 AM
2nd Charge	3:15 AM	3:45 AM
3rd Charge	5:45 AM	6:00 AM
4th Charge	9:00 AM	9:15 AM
5th Charge	11:15 AM	11:45 AM
6th Charge	1:45 PM	2:00 PM
7th Charge	5:00 PM	5:15 PM
8th Charge	7:15 PM	7:45 PM
9th Charge	9:45 PM	10:00 PM
10th Charge		

CHARGING EVENTS	EVENT LENGTH
1st Charge	0:15
2nd Charge	0:30
3rd Charge	0:15
4th Charge	0:15
5th Charge	0:30
6th Charge	0:15
7th Charge	0:15
8th Charge	0:30
9th Charge	0:15
10th Charge	0:00

BATTERY & CHARGER INFO	
Battery Capacity (AH)	650
Truck Load (A/hm)	80
Truck Efficiency (%)	65%
Charger Current (A)	400
Charging Efficiency (%)	80%
Start SOC (%)	100%
Day Start Time	12:00 AM

CROWN RC5540-40 (21")
SoC Simulation

State of Charge vs. Time of Day



SUGGESTED SPECS

Battery Capacity : 650AH

Run time : 12h30 (duty 65%)

Charger Intensity : 400A

VeloxPLUS

Application Sizing (Duty=65%)

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VeloxPLUS SOLUTION

Battery:

#C1EBOX01-36-650

Battery Capacity : 650AH

Run time : 12h30 (duty 65%)

Charger Intensity : 400A

VeloxPLUS

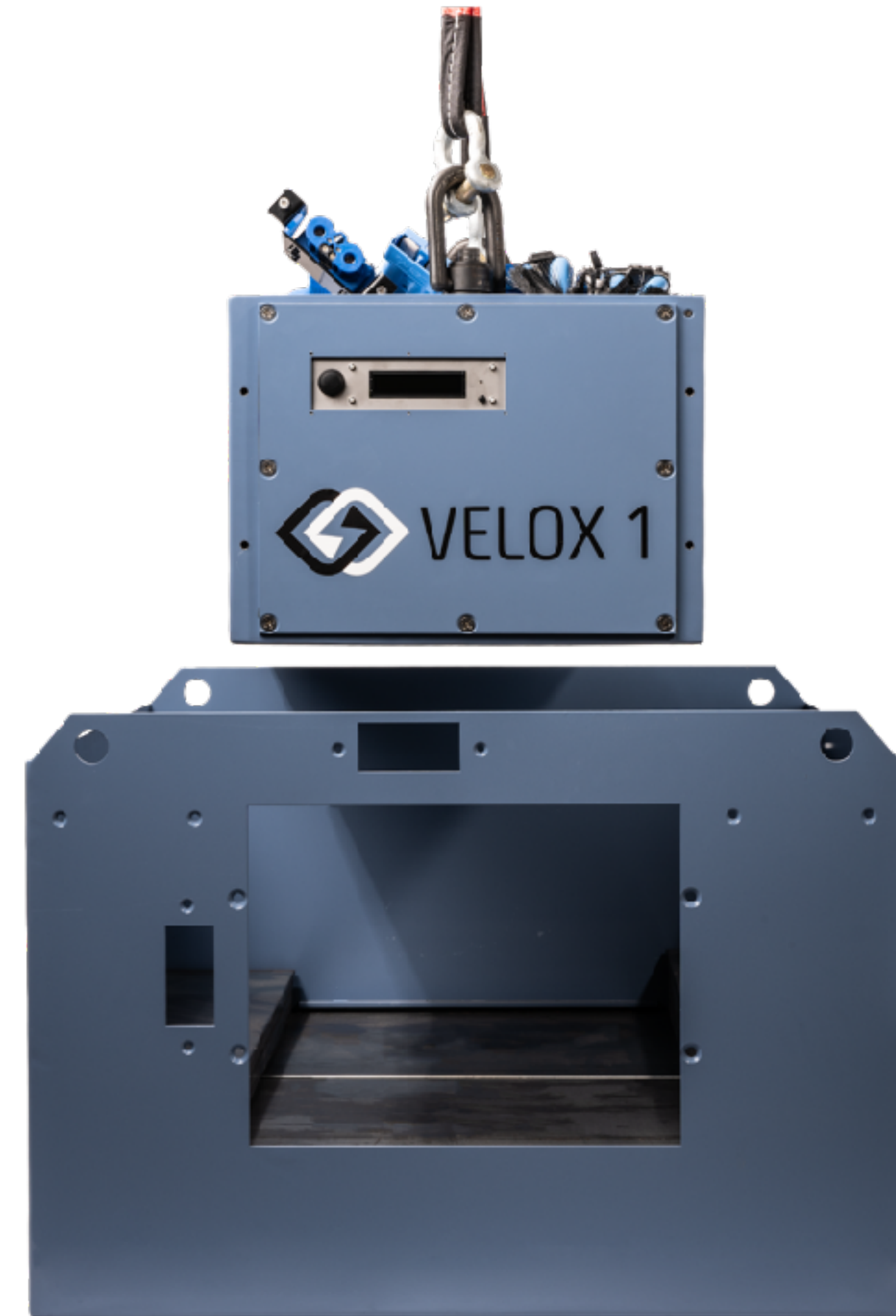
Charger:

#IHF-GE0-64803-80/400E

in: 3x600/480Vac 27/32A

(real input @38.4Vdc/600Vac= 21A)

Charger Intensity : 400A (single port)



#C1EBOX01-36-650

#W-438252000CD-01



Application Sizing (7h per shift)

Crown RC 21"
(LI-ion)

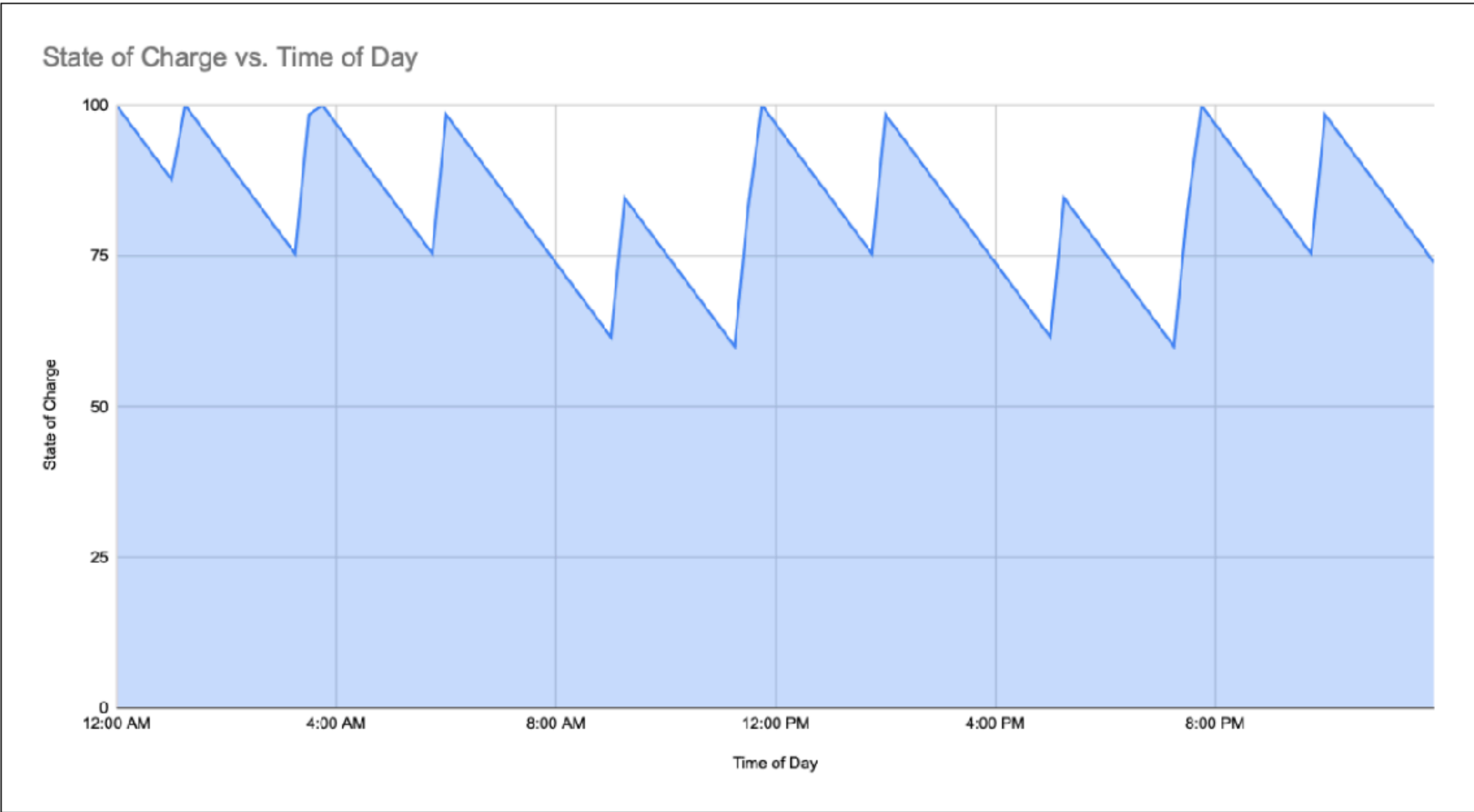
STATE OF CHARGE SIMULATION

CHARGING EVENTS	EVENT START	EVENT END
1st Charge	1:00 AM	1:15 AM
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3rd Charge	5:45 AM	6:00 AM
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7th Charge	5:00 PM	5:15 PM
8th Charge	7:15 PM	7:45 PM
9th Charge	9:45 PM	10:00 PM
10th Charge		

CHARGING EVENTS	EVENT LENGTH
1st Charge	0:15
2nd Charge	0:30
3rd Charge	0:15
4th Charge	0:15
5th Charge	0:30
6th Charge	0:15
7th Charge	0:15
8th Charge	0:30
9th Charge	0:15
10th Charge	0:00

BATTERY & CHARGER INFO	
Battery Capacity (AH)	650
Truck Load (A/hm)	80
Truck Efficiency (%)	100%
Charger Current (A)	600
Charging Efficiency (%)	80%
Start SOC (%)	100%
Day Start Time	12:00 AM

CROWN RC5540-40 (21")
SoC Simulation



SUGGESTED SPECS

Battery Capacity : 650AH
Run time : 8h07 (duty 100%)
Charger Intensity : 600A
VeloxCUSTOM

Application Sizing (Duty=100%)

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VeloxCUSTOM SOLUTION

Battery:

#C43825200-X1-36-650

Battery Capacity : 650AH

Run time : 8h07 (duty 100%)

Charger Intensity : 600A

VeloxCUSTOM

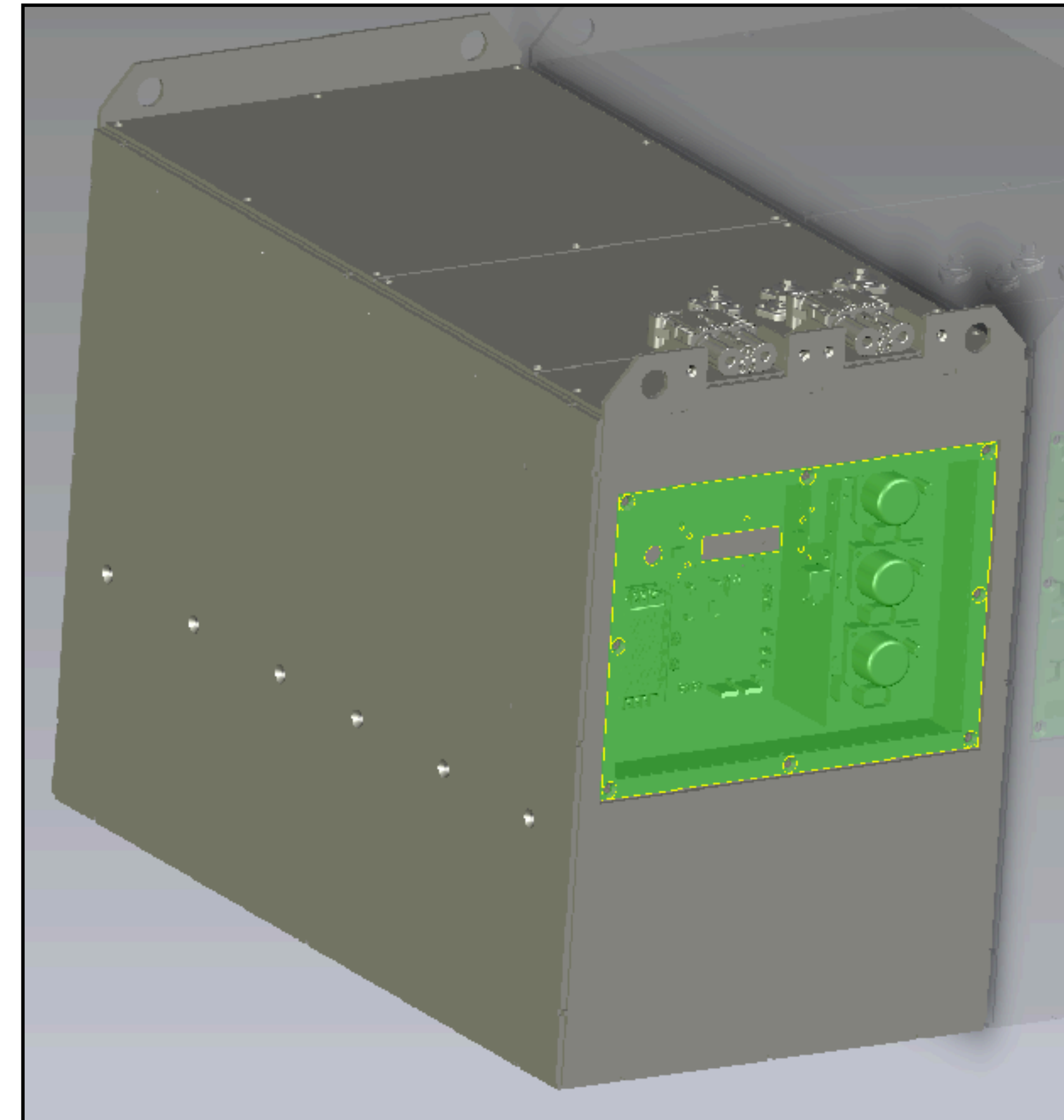
Charger:

#IHF-GE0-64803-80/600E

in: 3x600/480Vac 40/50A

(real input @38.4Vdc/600Vac= 31.15A)

Charger Intensity : 600A (twin ports)



#C43825200-X1-36-650



Not just a battery and charger supplier -> your partner to win.

- **Reliable Products. Durable Relationships.**

Our products are built to last, but it's the long-term trust we build with you that powers our success together.

- **Your Competitive Edge.**

With innovative battery and power management solutions, application simulation, we help you offer smarter, more compelling deals -> solutions that *sell themselves*.

- **Real Support = Real Results.**

From technical expertise to go-to-market strategy, we stand with you -> not behind you. You win, we win.

Battelec powers your success.

