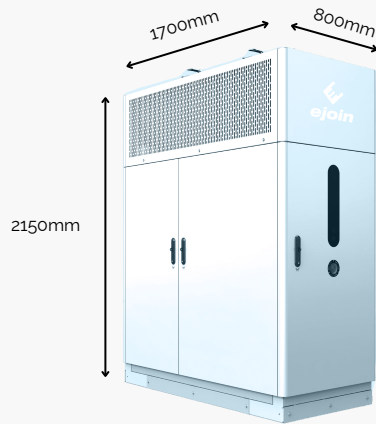


CHARGING SOLUTION WITH ULTRA-FAST TERMINALS



Specifications of The Full Liquid-cooling Charging System

720kw Power unit



Liquid cooling

- **Power:** 480/600/720 kW
- **Heat dissipation:** liquid-cooling
- **Number of connectors:** up to 12
- **Noise Level:** $\leq 55\text{dB}@25^\circ\text{C}$ (Mute mode) ; $\leq 65\text{dB}@25^\circ\text{C}$ (Standard mode)

480kw Ultra-fast Charging Dispenser

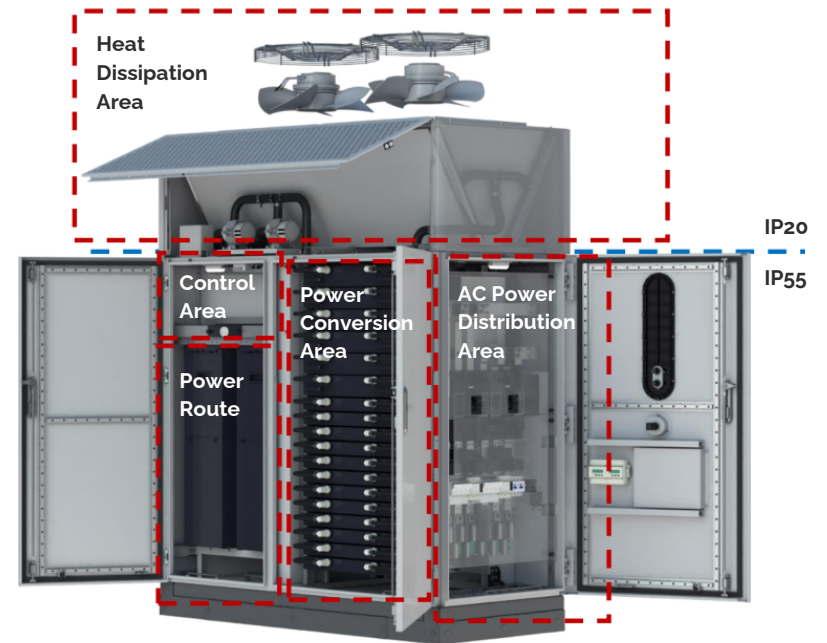


- **Power:** 600kw (Max)
- **Heat dissipation:** liquid cooling
- **Number of Charging connectors:** 1
- **Noise Level:** $\leq 55\text{dB}@25^\circ\text{C}$
- **Size:** 340W*295D*1700Hmm

180kw Fast Charging Dispenser

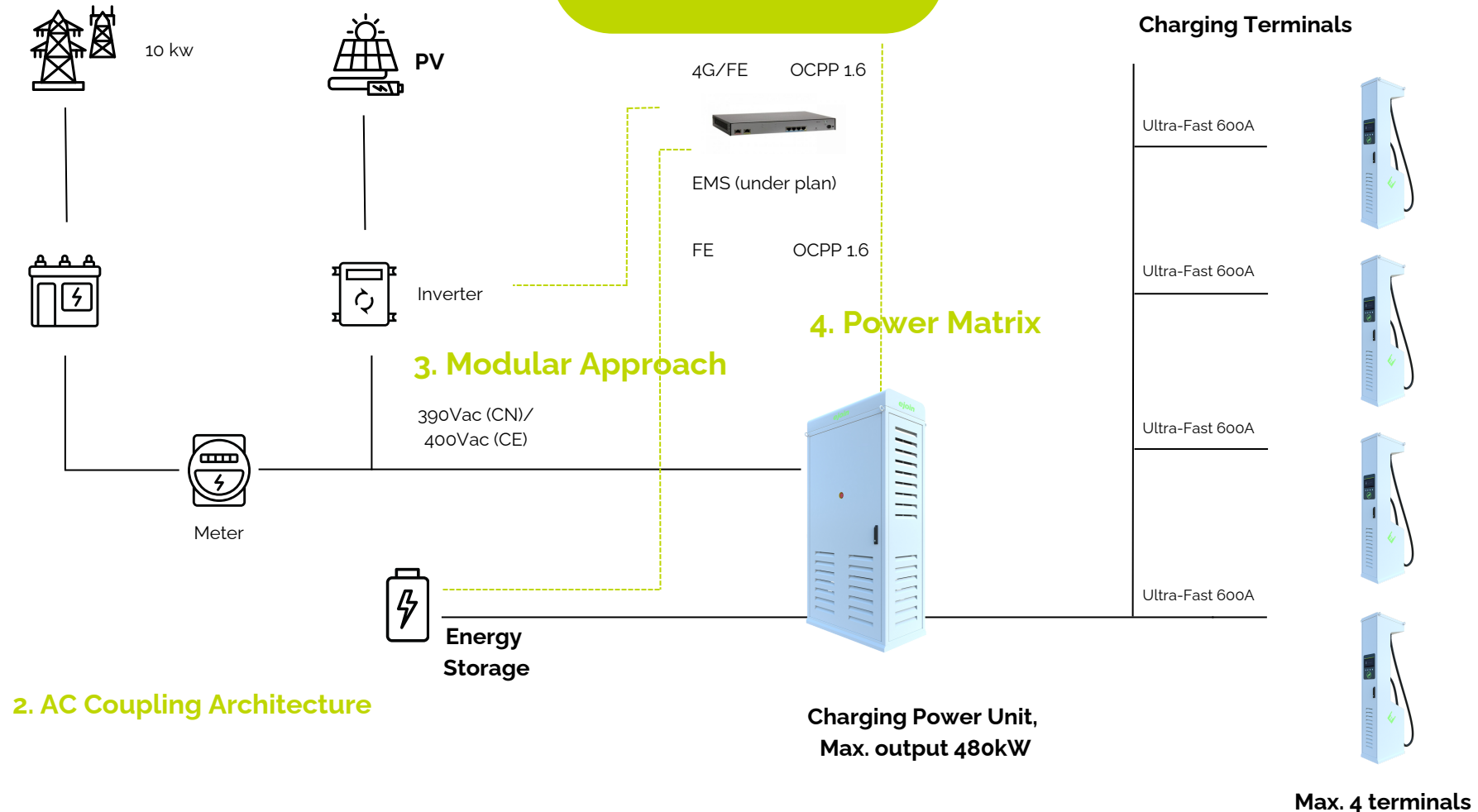


- **Power:** 250kw each connector (Max)
- **Heat dissipation:** Natural cooling
- **Number of Charging connectors:** 2
- **Noise Level:** $\leq 50\text{dB}@25^\circ\text{C}$
- **Size:** 390W*295D*1700Hmm

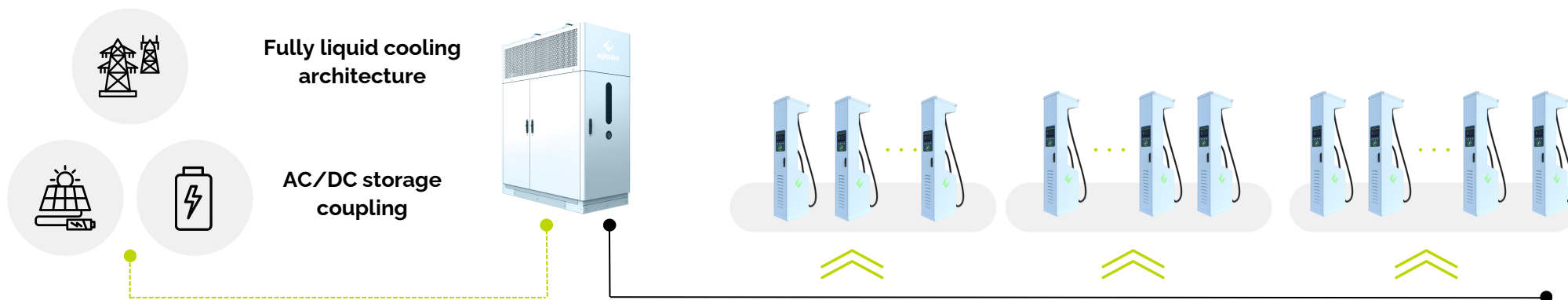


Air-Cooled Distributed DC Charging Solution

1. Air-cooled



ICS Fully Liquid Cooling: One Architecture + 3 Extremes



PV + BESS + Liquid Cooling HPC

Fully Liquid Cooling	Ultra fast +fast
Fully modularized	Smooth Upgrade

Extreme Experience

Plug & Play
Super Silent

Extreme Quality

Charge and go
1 km/s charging efficiency

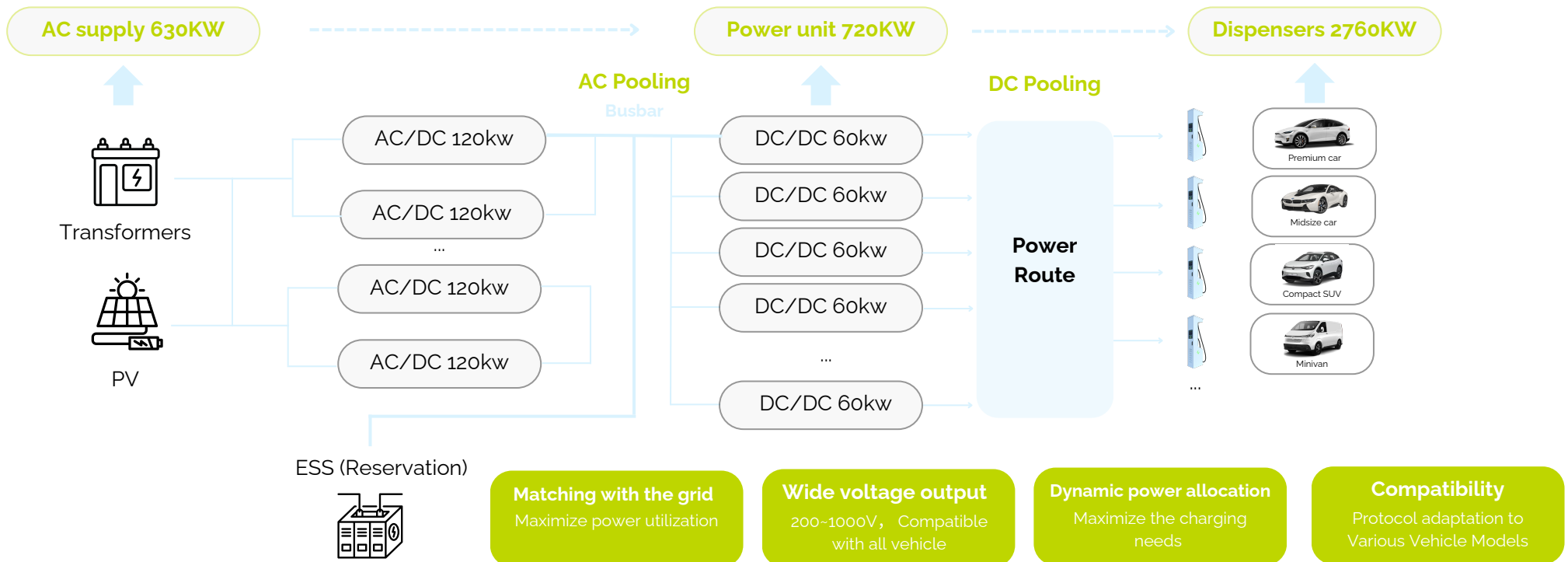
Extreme Income

ICS Solution

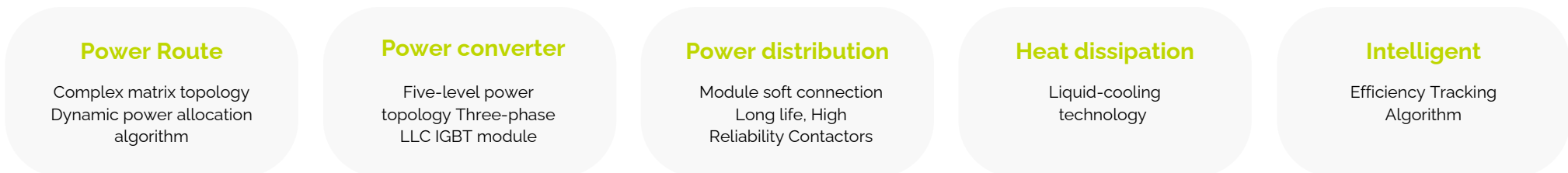
600A 200km@5min
<65dB

DC BUS architecture, Integrating Power Route, Maximize the value of power resources

Feedback AS: if all DC/DC outputs shall be at full power -> AC/DC must be higher than 120 kW (efficiency of DC/DC must be considered)

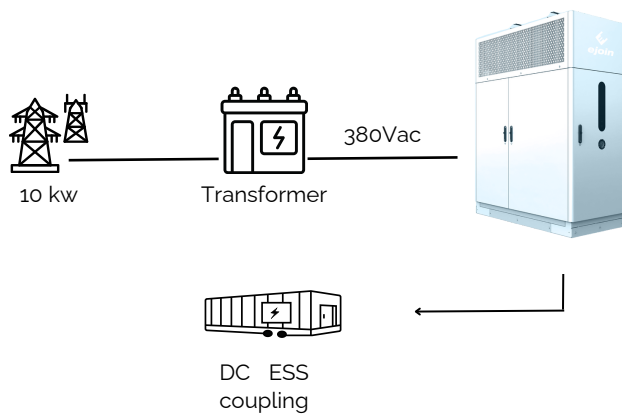


Key Supporting Technologies

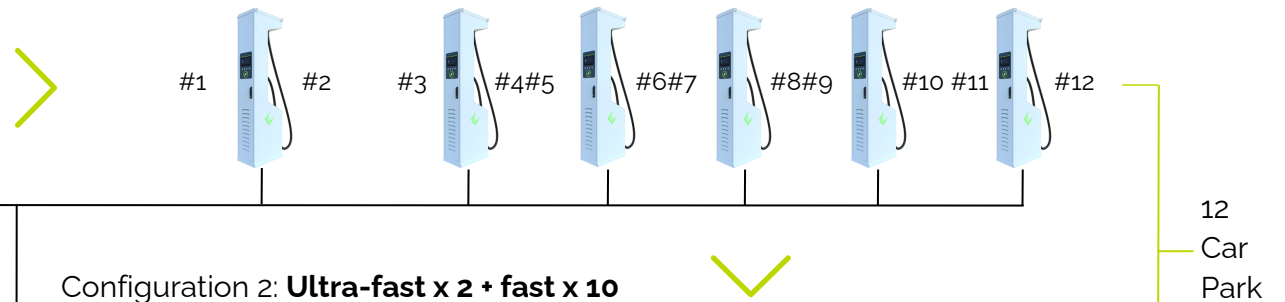


Power & Dispenser is scaleable, modular design, easy to upgrade

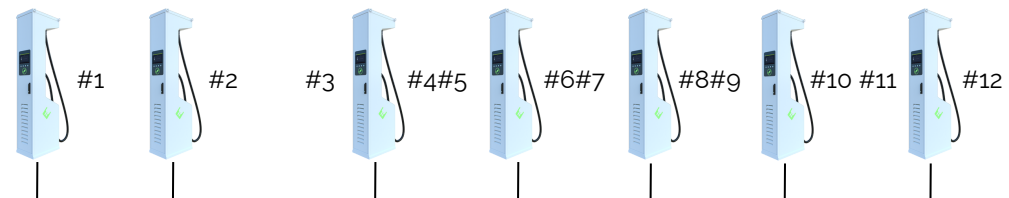
Modular design, dynamic pooling



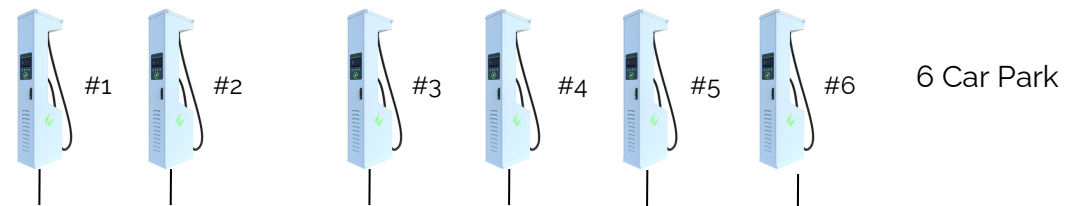
Configuration 1: All fast



Configuration 2: **Ultra-fast x 2 + fast x 10**



Configuration 3: All ultra-fast



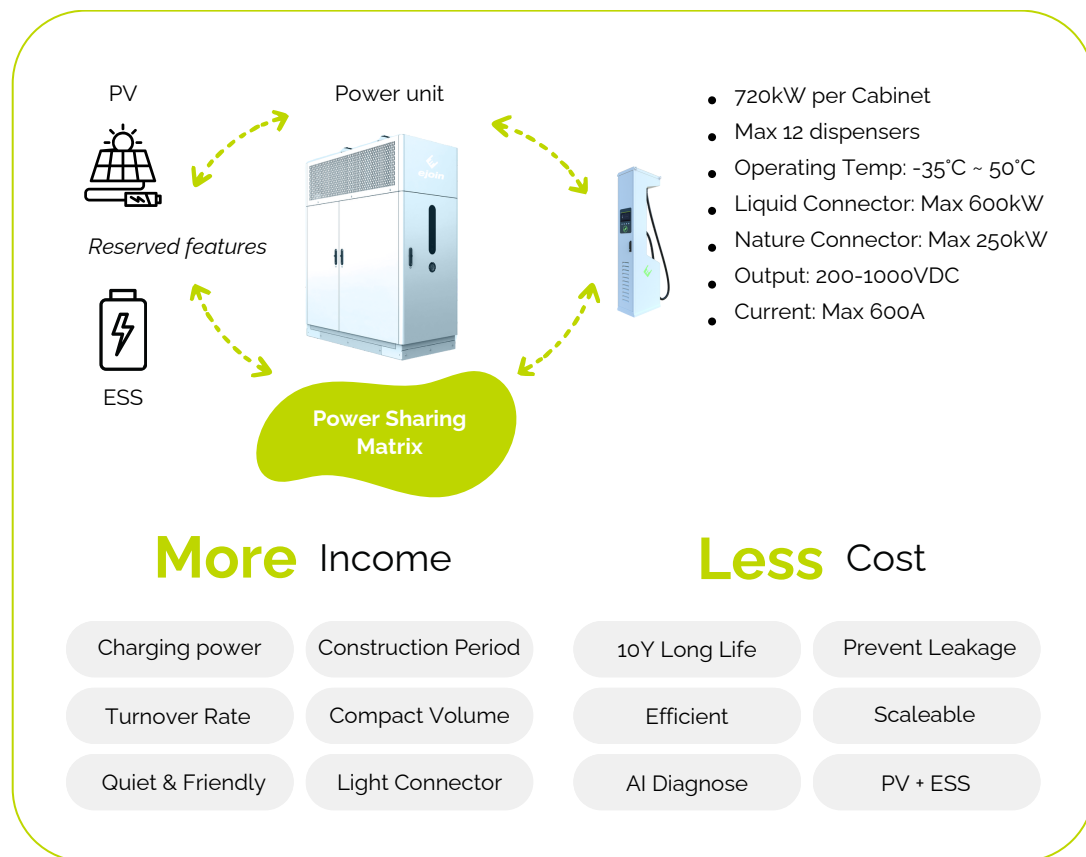
Evolution 1: power unit, covers 480-720kW which is scaleable

Evolution 2: Terminal is upgradeable, 2 ultra-fast & 10 fast - 6 ultra-fast

Future-Proof **Liquid-Cooling Ultra Fast Charging Architecture**, IRR +66%, OPEX -46%

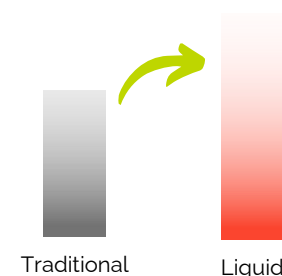
Brand new architecture - **More Income with Less Cost**

Traditional **VS** ICS Liquid Charge

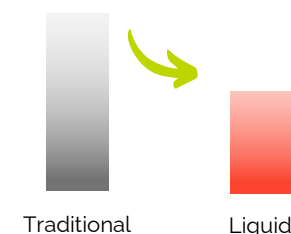


Efficient Investment, IRR + 66%

Turnover Rate
+100%



OPEX
Cut Down
46%



Evaluation model: 12 park, 630k-VA, 720kW Power



www.intellicity.eu



contact@intellicity.eu



+421 918 583 914

ICS
IntelligentCity Systems