

# Distributed charging system

**EV** Dispenser



up to 2x 600 A

**cars, trucks, busses**

**Power** Cabinet



500-1000 kW

**MCS** Dispenser



up to 1500 A

**trucks en route**

Alpitronic's extensive experience in the field of power electronics engineering forms the backbone of the company and has been key to the success of the Hypercharger, our cutting-edge DC fast charger.

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EN



[www.alpitronic.it](http://www.alpitronic.it)

**Distributed**  
Portfolio



# Distributed architecture

The HYC1000 redefines efficiency with a distributed design, separating DC dispensers from the Power Cabinet to save space. Up to 8 charging points operate in parallel, dynamically allocating power to maximize efficiency and reduce CAPEX.



# EV Dispenser ultimate flexibility

For light-duty vehicles, the EV Dispenser offers two CCS or NACS plugs, each supporting up to 600 A with liquid-cooled cables, or 400 A without liquid cooling, providing flexible charging options.

**600 A**  
on both CCS or NACS connectors simultaneously

**Front HMI**  
interface, touchscreen and tactile buttons

**Light**  
Ambient lighting improves visibility and safety

**Integrated**  
cable management

**Status**  
LED with high visibility

# Power Cabinet up to 1 MW power

The HYC1000 Power Cabinet integrates Alpitronic's enhanced SiC-Stack GEN2, a testament to our technological leadership. With superior switching frequencies and thermal conductivity, these Silicon Carbide modules deliver significantly higher efficiency and power density, ensuring optimal performance and reliability for your charging infrastructure. Backed by over 100 million successful charges, the upgraded Alpitronic silicon carbide Power-Stack continues to set new standards in reliability and innovation.



**16**  
power modules with dynamic power allocation

**>97.5%**  
energy efficiency

**8**  
stacks in parallel

**8**  
maximum outputs

**62.5 kW**  
output power granularity

**1.11 kW/l**  
power density

**125 kW**  
stack power

# MCS Dispenser ultimate power

Designed for heavy-duty vehicles, the MCS Dispenser utilizes the Megawatt Charging System (MCS) plug, capable of delivering up to 1,500 A with an oil-cooled cable, ensuring rapid charging for demanding cases. An optional CCS or NACS charging slot, delivering up to 600 A, further expands its compatibility.



**1500 A**  
on single MCS connector

**Front HMI**  
interface, touchscreen and tactile buttons

**600 A**  
additional NACS/CCS

**Light**  
Ambient lighting improves visibility and safety

**Status**  
LED with high visibility