HiCi
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MCS POWER CABINET (V2G)

up to 1012kW

Highway service area | Gas Station | Bus station | Fleets

FEATURES



INTELLIGENT

Optimize Operational Efficiency

- All power modules can be integrated to create a power pool for power distribution
- Optimize power utilization through switching algorithm patented by HiCi

RELIABILITY

High Uptime

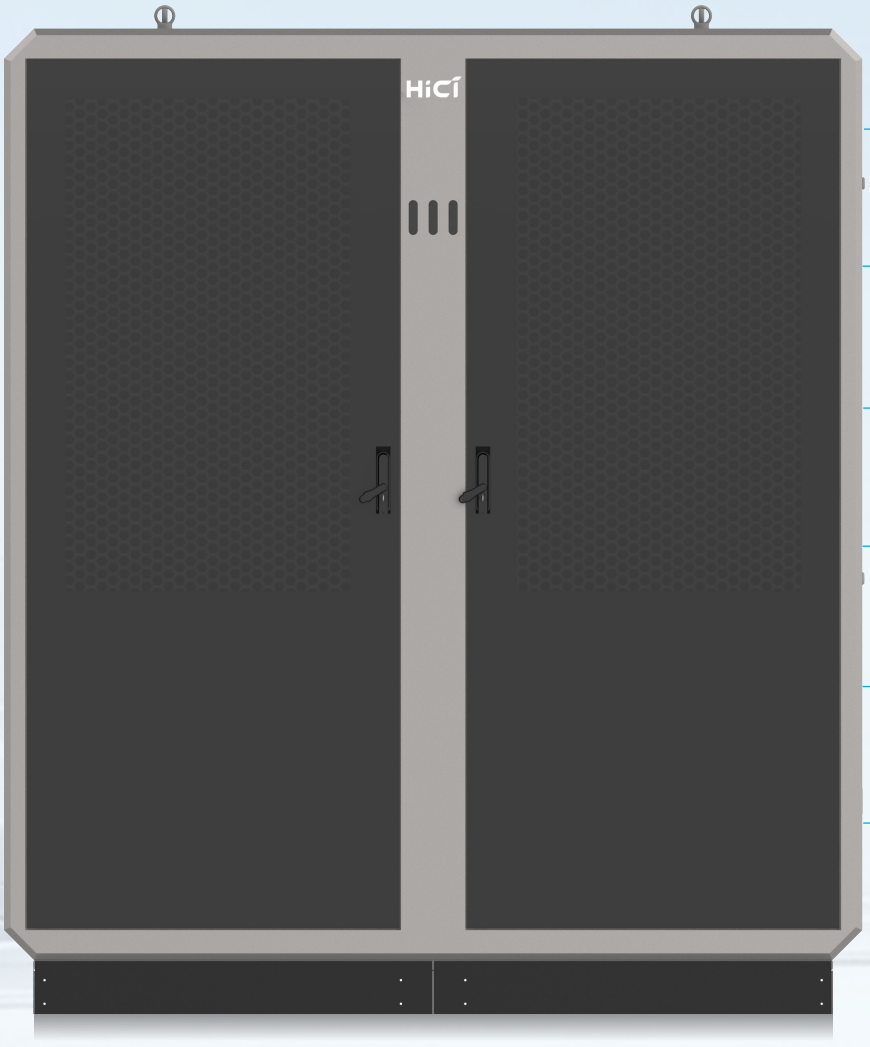
- Unified hardware and software design minimizes failure rates, guarantees optimal uptime
- Modular design enables single-module replacement in just 3 minutes

SCALABLE

Meet Growing Demand

- Adapt different quantity outlets based on demand, enabling simultaneous charging for up to 10 vehicles
- Support MCS liquid cooling charging cable, capable of megawatt ultra-fast charging
- Equipped with V2G function to achieve power transmission to power grid, to ensure the power supply
- Connected with MCS or CCS2 in the same system, enabling dynamic power sharing between all outputs

Power Cabinet



1. Intelligent power allocation
2. Up to 10 outlets
3. Up to 1012kW
4. Modular design
5. V2G (Vehicle-to-Grid)
6. Compatible with MCS connector

Technical Specification

Function		Parameter
DC Output	Rated Power	1012kW
	Voltage Range	150 ~ 1000V
	Constant Power Range	300 ~ 1000V
	Outlet	≤ 10(MCS x 2 and CCS2 x 8)
AC Input	Peak Efficiency	＞ 95%
	Voltage Range	340 ~ 460VAC
	Frequency Range	45 ~ 65Hz
	Wiring Type	3P + N + PE
	Current Range	<1569A
	Power Factor (full load)	≥0.99
	THDi	≤5%
Basic Specifications	Cooling Method	Fan Cooling
	Safety & Protection	Over Voltage, Over Current, Overload, Over temperature, Under Voltage, Short-circuit, Emergency Stop Protection, Residual Current Detection, Surge Protection, Door Access Protection, Grounding Protection
Environmental and Mechanical Specifications	Altitude Without Derating	≤ 2000 m
	Operating Temperature	-30℃ ~ + 55℃
	Operating Humidity	5~95% RH, non-condensing
	IP Level	IP55
	IK Level	IK10
	Noise Level	≤ 65dB @ 25℃ (at 1m distance)
	Enclosure	Galvanized Steel
	Dimensions (W x D x H)	2000 x 1050 x 2300 mm
Certification and Standards	Certification	CE, G99
	Standard	IEC 61851-1, IEC 61851-23, IEC 61 851 -21 -2, IEC 61851-24

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