VOLTARIS

EV CHARGING INFRASTRUCTURE

POWER, CONNECTED.

A unified family of DC charging systems.
From compact all-in-one stations to distributed high-power infrastructure.



120–600 kW

PRODUCT COLLECTION

ENGLISH / 2026

Charging environment / Concept visualization

Five platforms.
One visual language.

Select the power architecture, enclosure protection and charging configuration for your project.

01 **VOLTARIS LUCET 120 / 160** 03

Compact DC Fast Charger

120 / 160 kW DC

02 **VOLTARIS TUTELA 150** 07

IP65 DC Fast Charger

150 kW DC

03 **VOLTARIS PULSUS 180 / 180 AC22 / 240** 11

DC Fast Charger

180 / 240 kW DC

04 **VOLTARIS FLUO 180** 15

IP65 Fully Liquid-Cooled DC Fast Charger

180 kW DC

05 **VOLTARIS ORBITA 600** 19

Liquid-Cooled Split Charging System

600 kW system

ALL-IN-ONE / AIR-COOLED

VOLTARIS LUCET 120 / 160 Compact power.

VLT-LU120 / VLT-LU160

120 / 160

kW DC

Compact DC Fast Charger



VOLTARIS / LOGO APPLICATION

150-1000

Vdc output

IP55

Protection

<60

dB noise

An all-in-one DC charger compatible with CCS2, CHAdeMO and GBT charging standards. Its compact size and light weight simplify installation and relocation, while the user-friendly interface, IP55 protection and robust structure suit outdoor applications. A patented U-shaped airflow design keeps noise below 60dB. Available with 120kW or 160kW output across 150Vdc to 1000Vdc, the platform can be configured with CoolRing™ to transfer power between two chargers.

Designed around the charging experience.

01 **Connector choice**

CCS2 / CHAdeMO / GBT charging standards.

02 **Protected outdoors**

IP55, IK10; full-power charging from -30°C to 50°C.

03 **Clear interaction**

Tempered-glass-protected 7" TFT capacitive touch display, optional 10.1"; three RGB LEDs.

04 **Quieter airflow**

Innovative U-shaped air duct enables 60dB operation at full load and high temperature.

05 **Service access**

WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.

06 **Dynamic allocation**

Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency.

07 **Model-specific certification**

TUV CE, CB and OCA are listed for VOLTARIS LUCET 120; OCA for VOLTARIS LUCET 160.

08 **Connected power**

Optional CoolRing™ power sharing between two chargers.

COOLRING™ / OPTIONAL POWER SHARING

Two 120kW chargers. Up to 240kW at one connector.

The configurations below reproduce the supplied allocation examples.

A / DC1	A / DC2	B / DC1	B / DC2
60kW	60kW	60kW	60kW
120kW	0	120kW	0
120kW	60kW	60kW	0
120kW	120kW	0	0
240kW	0	0	0

Technical specification

Electrical & environment

MODEL	VOLTARIS LUCET 120 VLT-LU120	VOLTARIS LUCET 160 VLT-LU160
OPERATING ENVIRONMENT		
Operating temperature	-30°C~+70°C; full power output up to 50°C; power derating 5%/°C above 50°C	
Transport / storage temperature	-40°C~+75°C	
Relative humidity	≤95%RH, non-condensing	
Altitude	2000m	
Atmospheric pressure	80kPa~110kPa	
Cooling method	Air cooling	
Protection rating	IP55/IK10	
Noise	<60dB	
AC INPUT		
Frequency	45Hz~65Hz	
Voltage	3-phase+N+PE, 380/400Vac±10%	
Max input current	194A	
Power factor	>0.99	
Standby power	30W	
THDi	<3% (rated input)	
DC OUTPUT		
Voltage	150Vdc~1000Vdc	
Max output current	300A	
Max output power	120kW	160kW
Constant power voltage range	300Vdc~1000Vdc	
Max system efficiency	>95.5% (rated input and output)	>96.5% (rated input and output)

The product is continuously evolving. Please refer to the latest datasheet for specifications.

Technical specification

Integration & configuration

MODEL	VOLTARIS LUCET 120 VLT-LU120	VOLTARIS LUCET 160 VLT-LU160
STANDARDS & CERTIFICATION		
Backend	OCPP 1.6J; supports firmware update to 2.0x; OTA, PnC, smart charging and power management support	
CCS PLC communication	DIN70121 and ISOI5118	
CHAdeMO	CHAdeMO V1.2	
GBT	GB/T 18487.1-2015; GB/T 27930-2015; GB/T 20234.1~3-2015	
Certification	TUV CE, CB, OCA	OCA
EMC / safety	EN 61851-21-2 Class A; EN 61851-1; EN 61851-23; EN 61851-24	
FUNCTIONS & INTERFACES		
HMI	Tempered-glass-protected 7" (optional 10.1") TFT touch screen LCD; 3 × RGB LED; EPO	
Metering	DC energy meter; GB/T 29318 and JJG1149; optional MID-certified meter	
Monitoring interface	LAN and LTE wireless modem support	
Optional CoolRing™ power transfer	Enables power transfer between two chargers; each charging connector can receive the total charging power.	
Optional power switching mode	Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency.	
Payment	RFID; Mobile APP; POS (optional)	
MBE function support	WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.	
CHARGING PROTECTION		
Electrical	Overcurrent; short circuit; overvoltage; undervoltage	
Monitoring	Insulation monitoring; protective earth connection monitoring	
Polarity / temperature	Reverse polarity; overtemperature	
Residual-current protection	RCD-A and AC input contactor protection	
CONFIGURATION		
Charging module	4 × REG1K0100G2, 30kW, 1000V	4 × REG1K0135G2, 40kW, 1000V
Charging connector	2 CCS2/GBT or CCS2+GBT/CHAdeMO	
Charging connector capacity	GBT: 250A; CCS2: 200A/250A/300A; CHAdeMO: 150A	
Optional cable management	Two top-mounted cable retractors	
MECHANICAL PARAMETERS		
Dimensions (W × D × H)	750mm × 435mm × 1700mm	
Weight (cabinet + module)	198kg + 4 × 15.5kg = 260kg	198kg + 4 × 17kg = 266kg

The product is continuously evolving. Please refer to the latest datasheet for specifications.

ALL-IN-ONE / IP65

VOLTARIS TUTELA 150
Built for the elements.

VLT-TU150

150

kW DC

IP65 DC Fast Charger



VOLTARIS / LOGO APPLICATION

IP65

Protection

22

kW AC option

3

Vehicles*

An all-in-one DC charger compatible with CCS2, CHAdeMO and GBT charging standards. A user-friendly interface and heat exchange technology combine with IP65 protection and a robust, durable structure for harsh outdoor environments. The charger delivers up to 150kW across 150Vdc to 1000Vdc and can be configured with an optional 22kW / 32A AC Type 2 charging socket.

*Three-vehicle charging requires the optional AC Type 2 configuration.

Designed around the charging experience.

01 **IP65 enclosure**

Reliable and robust; salt-fog resistant, dust prevention and waterproof construction.

02 **Connector choice**

CCS2 / GBT / CHAdeMO; optional AC Type 2 charging socket.

03 **Service access**

WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.

04 **Configurable experience**

Optional cable retractor and credit-card POS; VIN code support.

05 **Certification**

TUV CE, RED, CB and OCA.

06 **Three charging positions**

Charge three vehicles simultaneously with two DC connectors and the optional AC socket.

TWO DC + OPTIONAL AC

One station. Three vehicles.

DC 01	DC 02	AC*
CCS2 / GBT	CCS2 / CHAdeMO / GBT	Type 2 / 22kW

*AC Type 2, 32A / 3P / 22kW is optional. Actual connector combinations depend on the chosen configuration.

Technical specification

Electrical & environment

MODEL	VOLTARIS TUTELA 150 VLT-TU150
OPERATING ENVIRONMENT	
Operating temperature	-30°C~+65°C; full power output up to 45°C; power derating 5%/°C above 45°C
Transport / storage temperature	-40°C~+75°C
Relative humidity	≤95%RH, non-condensing
Altitude	2000m
Atmospheric pressure	80kPa~110kPa
Cooling method	Air cooling
Protection rating	IP65/IK10 (IK08 for touch screen)
Noise	<65dB
AC INPUT	
Frequency	45Hz~65Hz
Voltage	3-phase+N+PE, 380/400Vac±10%
Max input current	240A + 32A (for AC output)
Power factor	>0.99
Standby power	40W
THDi	<3% (rated input)
DC OUTPUT	
Voltage	150Vdc~1000Vdc
Max output current	250A
Max output power	150kW
Constant power voltage range	300Vdc~1000Vdc
Max system efficiency	>95% (rated input and output)
OPTIONAL AC OUTPUT	
Charging output	AC Type 2 charging socket, 32A / 3P / 22kW

The product is continuously evolving. Please refer to the latest datasheet for specifications.

Technical specification

Integration & configuration

MODEL	VOLTARIS TUTELA 150 VLT-TU150
STANDARDS & CERTIFICATION	
Backend	OCPP 1.6J; supports firmware update to 2.0x; OTA, PnC, smart charging and power management support
CCS PLC communication	DIN70121 and ISOI5118
CHAdeMO	CHAdeMO V1.2
GBT	GB/T 18487.1-2015; GB/T 27930-2015; GB/T 20234.1~3-2015
Certification	TUV CE, RED, CB, OCA
EMC / safety	EN 61851-21-2 Class A; EN 61851-1; EN 61851-23; EN 61851-24
MANUFACTURE	
Protection	IP65/IK10 (IK08 for touch screen)
FUNCTIONS & INTERFACES	
HMI	Tempered-glass-protected 7" TFT touch screen LCD; 3 × RGB LED; EPO
Metering	DC energy meter; GB/T 29318 and JJG1149; optional MID-certified meter
Monitoring interface	LAN and LTE wireless modem support
Charging mode	Auto / By Time / By Plan / By kWh / By SOC
power switching mode	Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency.
Payment	RFID; Mobile APP; POS (optional)
MBE function support	WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.
CHARGING PROTECTION	
Electrical	Overcurrent; short circuit; overvoltage; undervoltage
Monitoring	Insulation monitoring; protective earth connection monitoring
Polarity / temperature	Reverse polarity; overtemperature
Residual-current protection	RCD-A main protection; RCD-B for AC connector protection
CONFIGURATION	
Charging module	5 × REG1K0100G2, 30kW, 1000V power module
Charging connector	2 × CCS2/GBT or CCS2+GBT/CHAdeMO; optional AC Type 2 socket
Charging connector capacity	GBT: 250A; CCS2: 200A/250A; CHAdeMO: 125A/200A; AC: 32A/22kW
Optional cable management	Top-mounted cable retractors and a light bar
MECHANICAL PARAMETERS	
Dimensions (W × D × H)	700mm × 760mm × 1750mm
Weight (cabinet + module)	212.5kg + 5 × 15.5kg = 290kg

The product is continuously evolving. Please refer to the latest datasheet for specifications.

ALL-IN-ONE / FLEXIBLE CONFIGURATION

VOLTARIS PULSUS 180 / 240 More possibilities.

VLT-PU180 / VLT-PU180-AC22 / VLT-PU240

180 / 240

kW DC

DC Fast Charger

VOLTARIS / LOGO APPLICATION



150-1000

Vdc output

IP55

Protection

22

kW AC option[1]

A compact, lightweight all-in-one charger compatible with CCS2, NACS, CHAdeMO and GBT charging standards. A user-friendly interface, IP55 protection and a robust outdoor structure support straightforward installation and relocation. Available with up to 180kW or 240kW and a charging range of 150Vdc to 1000Vdc. An optional 22kW / 32A AC Type 2 socket and Eichrecht certification are available within the VOLTARIS PULSUS 180 series.[1]

[1]Model-specific options: see the configuration notes and technical tables.

Designed around the charging experience.

01 **Certification options**

TUV CE, cTUVus, RED, CB, OCA, FCC, CTEP, Energy Star and NMI Eichrecht[1]; model scope is specified in the technical table.

02 **Connector flexibility**

CCS1 / CCS2 / GBT / CHAdeMO / NACS; optional AC Type 2 socket[1].

03 **Dynamic allocation**

Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency.

04 **IP55 enclosure**

Reliable, robust protection for outdoor applications.

05 **Service access**

WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.

06 **Configurable experience**

Optional cable retractor and credit-card POS; VIN code support.

07 **Connected power[1]**

Optional CoolRing™ power sharing between two chargers.

08 **Three charging positions[1]**

Simultaneous three-vehicle charging with the optional AC configuration.

[1]This feature is supported only by VOLTARIS PULSUS 180 series; it is not available on VOLTARIS PULSUS 240.

COOLRING™ / OPTIONAL POWER SHARING

Two 180kW chargers. Up to 360kW at one connector.

The configurations below reproduce the supplied allocation examples.

A / DC1	A / DC2	B / DC1	B / DC2
90kW	90kW	90kW	90kW
180kW	0	180kW	0
180kW	90kW	90kW	0
180kW	180kW	0	0
360kW	0	0	0

Technical specification

Electrical & environment

MODEL	VOLTARIS PULSUS 180 VLT-PU180	VOLTARIS PULSUS 180 AC22 VLT-PU180-AC22	VOLTARIS PULSUS 240 VLT-PU240
OPERATING ENVIRONMENT			
Operating temperature	-30°C~+70°C; full power output up to 50°C; power derating 5%/°C above 50°C		
Transport / storage temperature	-40°C~+75°C		
Relative humidity	≤95%RH, non-condensing		
Altitude	2000m		
Atmospheric pressure	80kPa~110kPa		
Cooling method	Air cooling		
Protection rating	IP55/IK10 (IK08 for touch screen)		
Noise	<65dB		
AC INPUT			
Frequency	45Hz~65Hz		
Voltage	CE: 3-phase+(N)+PE, 380/400Vac±10%; NA: 480Vac±10%		
Max input current	291A	291A + 32A	388A
Power factor	>0.99		
Standby power	40W		
THDi	<3% (rated input)		
DC OUTPUT			
Voltage	150Vdc~1000Vdc		
Max output current	600A@300V / 360A@500V / 180A@1000V	600A@300V / 360A@500V / 180A@1000V	600A@400V / 480A@500V / 240A@1000V
Max output power	180kW	180kW + 22kW	240kW
Constant power voltage range	300Vdc~1000Vdc		
Max system efficiency	>95% (rated input and output)	>95% (rated input and output)	>95.5% (rated input and output)
AC OUTPUT			
AC output	-	AC Type 2; 32A / 22kW / 3P	-

[1]This feature is supported only by VOLTARIS PULSUS 180 series; it is not available on VOLTARIS PULSUS 240. The product is continuously evolving. Please refer to the latest datasheet for specifications.

Technical specification

Integration & configuration

MODEL	VOLTARIS PULSUS 180 VLT-PU180	VOLTARIS PULSUS 180 AC22 VLT-PU180-AC22	VOLTARIS PULSUS 240 VLT-PU240
STANDARDS & CERTIFICATION			
Backend	OCPP 1.6J; supports firmware update to 2.0x; OTA, PnC, smart charging and power management support		
CCS PLC communication	DIN70121 and ISOI5118		
CHAdeMO	CHAdeMO V1.2		
GBT	GB/T 18487.1-2015; GB/T 27930-2015; GB/T 20234.1~3-2015		
Certification	TUV CE, cTUVus, RED, CB, OCA, FCC, CTEP, Energy Star, NMI Eichrecht (for VOLTARIS PULSUS 180)		
EMC / safety	UL 2202; EN 61851-21-2 Class A; EN 61851-1; EN 61851-23; EN 61851-24		
FUNCTIONS & INTERFACES			
HMI	Tempered-glass-protected 7" TFT touch screen LCD; 3 × RGB LED; EPO		
Metering	DC energy meter; GB/T 29318 and JJG1149; optional MID-certified / NMI-certified meter		
Monitoring interface	LAN and LTE wireless modem support		
Optional CoolRing™ power transfer	Enables power transfer between two chargers; each charging connector can receive the total charging power.		
power switching mode	Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency.		
Payment	RFID; Mobile APP; POS (optional)		
MBE function support	WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.		
CHARGING PROTECTION			
Electrical	Overcurrent; short circuit; overvoltage; undervoltage		
Monitoring	Insulation monitoring; protective earth connection monitoring		
Polarity / temperature	Reverse polarity; overtemperature		
Residual-current protection	RCD-A main protection; RCD-B protection for AC connector		
CONFIGURATION			
Charging module	6 × REG1K0100G/U, 30kW, 1000V	6 × REG1K0100G/U, 30kW, 1000V	6 × REG1K0110U, 40kW, 1000V
Charging connector	2 × CCS/NACS/GBT or CCS/NACS+GBT/CHAdeMO; optional AC Type 2 socket[1]		
Charging connector capacity	GBT: 250A/400A; CCS1: 200A/300A; CCS2: 200A/250A/300A/375A; NACS: 200A/300A; CHAdeMO: 125A/200A; AC: 32A/22kW		
Optional cable management	Two top-mounted cable retractors and a light bar; or two top-mounted folding-arm cable retractors and a light bar		
MECHANICAL PARAMETERS			
Dimensions (W × D × H)	750mm × 750mm × 1750mm		
Weight (cabinet + module)	320kg + 6 × 22.5kg = 455kg	320kg + 6 × 22.5kg = 455kg	320kg + 6 × 23.5kg = 461kg

[1]This feature is supported only by VOLTARIS PULSUS 180 series; it is not available on VOLTARIS PULSUS 240. The product is continuously evolving. Please refer to the latest datasheet for specifications.

ALL-IN-ONE / FULLY LIQUID-COOLED

VOLTARIS FLUO 180 Liquid-cooled.

VLT-FL180

180

kW DC

IP65 Fully Liquid-Cooled DC Fast Charger



VOLTARIS / LOGO APPLICATION

IP65

Protection

500

A connector option

≤60

dB noise

An all-in-one DC charger compatible with CCS1, CCS2, NACS, CHAdeMO and GBT standards. Its fully liquid-cooled design combines low noise, high protection, reliability and integration. Liquid-cooled power modules and an IP65 rating suit harsh outdoor environments. It delivers up to 180kW charging power and up to 500A charging current across a wide voltage range from 150Vdc to 1000Vdc.

Designed around the charging experience.

01 **IP65 enclosure**

Reliable and robust; salt-fog resistant, dust prevention and waterproof construction.

02 **Liquid-cooled connection**

CCS1 / CCS2 / NACS / CHAdeMO / GBT; optional one 500A liquid-cooled connector.

03 **Dynamic allocation**

Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency.

04 **Certification**

TUV CE, RED, CB and OCA.

05 **Service access**

WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.

06 **Configurable experience**

Optional cable retractor and credit-card POS; VIN code support.

07 **Connected power**

Optional CoolRing™ power sharing between two chargers.

08 **Low-noise operation**

60dB ultra-low-noise feature; technical rating ≤60dB.

COOLRING™ / OPTIONAL POWER SHARING

Two 180kW chargers. Up to 360kW at one connector.

The configurations below reproduce the supplied allocation examples.

A / DC1	A / DC2	B / DC1	B / DC2
90kW	90kW	90kW	90kW
180kW	0	180kW	0
180kW	90kW	90kW	0
180kW	180kW	0	0
360kW	0	0	0

Technical specification

Electrical & environment

MODEL	VOLTARIS FLUO 180 VLT-FL180
OPERATING ENVIRONMENT	
Operating temperature	-30°C~+65°C
Transport / storage temperature	-40°C~+75°C
Relative humidity	≤95%RH, non-condensing
Altitude	2000m
Atmospheric pressure	80kPa~110kPa
Cooling method	Liquid cooling
Protection rating	NEMA 3R/IP65/IK10 (IK08 for touch screen)
Noise	≤60dB
AC INPUT	
Frequency	45Hz~65Hz
Voltage	CE: 3-phase+N+PE, 380/400V±10%; UL: 3-phase+(N)+PE, 480V±10%
Max input current	CE: 291A; UL: 228A
Power factor	>0.99
Standby power	40W
THDi	<3% (rated input)
DC OUTPUT	
Voltage	150Vdc~1000Vdc
Max output current	600A@300V / 360A@500V / 180A@1000V
Max output power	180kW
Constant power voltage range	300Vdc~1000Vdc
Max system efficiency	>95% (rated input and output)

The product is continuously evolving. Please refer to the latest datasheet for specifications.

Technical specification

Integration & configuration

MODEL	VOLTARIS FLUO 180 VLT-FL180
STANDARDS & CERTIFICATION	
Backend	OCPP 1.6J; supports firmware update to 2.0x; OTA, PnC, smart charging and power management support
CCS PLC communication	DIN70121 and ISO15118
CHAdeMO	CHAdeMO V1.2
GBT	GB/T 18487.1-2015; GB/T 27930-2015; GB/T 20234.1~3-2015
Certification	TUV CE, RED, CB, OCA
EMC / safety	EN 61851-21-2 Class A; EN 61851-1; EN 61851-23; EN 61851-24
FUNCTIONS & INTERFACES	
HMI	Tempered-glass-protected 7" TFT touch screen LCD; 3 × RGB LED; EPO
Metering	DC energy meter; GB/T 29318 and JJG1149; optional MID-certified meter
Monitoring interface	LAN and LTE wireless modem support
Optional CoolRing™ power transfer	Enables power transfer between two chargers; each charging connector can receive the total charging power.
power switching mode	Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency.
Payment	RFID; Mobile APP; POS (optional)
MBE function support	WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.
CHARGING PROTECTION	
Electrical	Overcurrent; short circuit; overvoltage; undervoltage
Monitoring	Insulation monitoring; protective earth connection monitoring
Polarity / temperature	Reverse polarity; overtemperature
Residual-current protection	RCD-A main protection
CONFIGURATION	
Charging module	6 × LRG1K0100G, 30kW, 1000V liquid-cooled power module
Charging connector	2 × CCS2/CCS1/NACS/GBT or CCS2+CCS1/GBT/CHAdeMO
Charging connector capacity	GBT: 250A/400A/500A; CCS1: 300A/350A/500A; CCS2: 250A/375A/500A; NACS: 300A/380A/500A; CHAdeMO: 125A/200A
MECHANICAL PARAMETERS	
Dimensions (W × D × H)	700mm × 850mm × 1995mm
Weight (cabinet + module)	310kg + 6 × 30kg = 490kg

The product is continuously evolving. Please refer to the latest datasheet for specifications.

SPLIT SYSTEM / FULLY LIQUID-COOLED

VOLTARIS ORBITA 600
A wider network.

VLT-OR600



10

Charging channels

5

Dual dispensers max.

500

A channel option

Designed for charging operators, the VOLTARIS ORBITA 600 combines a flexible split architecture with multiple charging points. It supports CCS, CHAdeMO and GBT connectors and supplies up to 600kW to a maximum of 10 connectors through five dual-connector or ten single-connector dispensers. Optional 500A liquid-cooled connectors and an intelligent power switching matrix distribute modules to maximize utilization. Fully liquid-cooled modules provide protection and reliability; an overhead dispenser solution for bus depots uses the same power cube.

Designed around the charging experience.

01 **Modular architecture**

Building-block design with simplified, standardized interfaces.

02 **Protected power cube**

IP65; salt-fog resistant, dust prevention and waterproof design. The heat exchange chamber is excluded from the IP65 rating.

03 **Low-noise system**

Power cube: 60dB; stand-floor dispenser: 55dB; overhead dispenser: 0dB. Model-specific ratings appear in the tables.

04 **System certifications**

TUV CE, cTUVus, RED, CB, OCA, FCC, CTEP, Energy Star. Power-cube and dispenser scopes are listed separately.

05 **Flexible deployment**

Customizable dispensers and an overhead dispenser solution for bus depots.

06 **Ten output channels**

Maximum 10 channels with 300A or 500A configurations.

07 **Service access**

WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.

08 **Fully liquid-cooled**

Liquid-cooled power modules and optional liquid-cooled charging connectors.

DISTRIBUTED POWER

600kW

LIQUID-COOLED POWER CUBE

5 × dual

OR

10 × single

Maximum 10 output channels. Floor-standing and overhead dispenser configurations share the same power cube.

Technical specification

Power cube / VOLTARIS ORBITA 600

MODEL	VOLTARIS ORBITA 600 VLT-OR600
AC INPUT	
Frequency	45Hz~65Hz
Voltage	CE: 3-phase+(N)+PE, 380Vac/400Vac±10%; UL: 3-phase+(N)+PE, 480Vac±10%
Max input current	2 × 480A@380Vac
Power factor	>0.99
Standby power	50W
THDi	<5% (rated input)
DC OUTPUT	
Voltage	150Vdc~1000Vdc
Max output current	500A (optional 300A) for each output charging channel
Max output power	600kW
Constant power voltage range	300Vdc~1000Vdc
Max system efficiency	>96% (rated input and output)
POWER DISTRIBUTION	
Output channels	Max 10 output charging channels as the input of the charging dispensers
Dispenser support	Max 5 dual-connector dispensers or 10 single-connector dispensers
Power switching mode	Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency.
MECHANICAL PARAMETERS	
Dimensions (W × D × H)	2050mm × 850mm × 2200mm
Weight (cabinet + module)	1200kg + 20 × 30kg = 1800kg (full liquid)
POWER-CUBE EQUIPMENT	
Power module	20 × LRG1K0100G, 30kW, 1000V liquid-cooled power module
HMI	RGB LED; E-STOP
Optional HMI kiosk	Tempered-glass-protected 10" capacitive touch screen LCD; RFID; POS (optional)
Protection rating	IP65 (excluding heat exchange chamber)
Certification	TUV CE, CB
Noise	<55dB (@25°C, rated input and output); max noise <60dB

The product is continuously evolving. Please refer to the latest datasheet for specifications.

A dispenser for every layout.

Four floor-standing configurations and one overhead configuration. Shared functions and system conditions continue on the following page.

CONFIGURATION	VOLTARIS ORBITA Floor / 200 A 250 A option	VOLTARIS ORBITA Floor / 300 A	VOLTARIS ORBITA Floor / 375 A	VOLTARIS ORBITA Floor / 500 A	VOLTARIS ORBITA Overhead 200-300 A
Mounting	Stand floor	Stand floor	Stand floor	Stand floor	Overhead
DC input voltage	150Vdc~1000Vdc				
Input channels (DC bus)	2	2	2	2	1
Charging cables	2	2	2	2	1
DC output voltage	150Vdc~1000Vdc				
Max output current	2 × 200A (optional 250A)	2 × 300A	2 × 375A	500A + optional 200A/300A/375 A/500A	200A (optional 250A/300A)
Dimensions (W × D × H)	500 × 260 × 1800mm	500 × 260 × 1800mm	500 × 260 × 1800mm	500 × 260 × 1800mm	763 × 240 × 415mm
Weight	185kg	185kg	185kg	195kg	50kg
Protection rating	IP55/IK10	IP55/IK10	IP55/IK10	IP55/IK10	IP65
Noise	0	0	0	55dB	0



FLOOR-STANDING



OVERHEAD

The product is continuously evolving. Please refer to the latest datasheet for specifications.

Connected as a system.

DISPENSER FUNCTIONS & INTERFACES

HMI	Tempered-glass-protected 7" capacitive touch screen LCD for stand-floor dispenser; RGB panel LED; E-STOP; RFID; POS (optional)
Metering	DC energy meter; GB/T 29318 and JJG1149; optional MID-certified meter
Monitoring interface	OCPP 1.6J; supports update to 2.0; PnC, smart charging and power management; LAN 100M and LTE wireless modem support
Cable management	Stand floor: two top-mounted cable retractors and a light bar. Overhead: select one or two retractors based on cable length.
MBE function	WEB/APP Maintenance Backend System enhances operation and maintenance effectiveness.
Charging protection	Overcurrent / short circuit / overvoltage / undervoltage / RCD / insulation / overtemperature protection; reverse polarity protection
Floor-dispenser connectors	2 × GBT/CCS/NACS or CCS+NACS/GBT/CHAdeMO or 1 × GBT/CCS/NACS/CHAdeMO
Overhead-dispenser connectors	CCS/GBT/NACS
Connector capacity	GBT: 250A (optional 400A/500A); CCS: 200A (optional 250A/300A/375A/500A); NACS: 200A (optional 300A/380A); CHA: 125A (optional 200A)
Certification	TUV CE, cTUVus, RED, CB, OCA, FCC, CTEP, Energy Star

SYSTEM OPERATING ENVIRONMENT

Operating temperature	-30°C~+65°C
Transport / storage temperature	-40°C~+75°C
Relative humidity	≤95%RH, non-condensing
Altitude	2000m
Atmospheric pressure	80kPa~110kPa
Cooling method	Liquid cooling

SYSTEM STANDARDS

Charging standard	GBT 27930-2011/27930-2015; CHAdeMO V1.2/V2.0; DIN70121; ISO15118; OCA
EMC / safety	EN 61851-21-2; EN 61000-6-4; EN 61000-6-2 Class A; EN 61851-1; EN 61851-23; EN 61851-24; UL 2202

The product is continuously evolving. Please refer to the latest datasheet for specifications.

Read the configuration.

Charging performance is defined by the system, connector configuration and operating conditions together.

01 **Power and current**

Maximum power and maximum current do not necessarily occur at every output voltage. Read the voltage-dependent current envelope together with the constant-power range.

02 **System power and connector capacity**

A cabinet or power cube rating describes system output. The selected cable and connector have their own current capacity. In a split system, the total power is shared across the connected outputs.

03 **Cooling and enclosure**

Air-cooled and fully liquid-cooled systems use different thermal architectures. Protection ratings are component-specific: enclosure, touch screen, power cube and dispenser may carry different ratings.

04 **Options and model scope**

Items marked optional require the corresponding configuration. The VOLTARIS PULSUS 180 series feature note must not be extended to VOLTARIS PULSUS 240. Certification listings also depend on the model and regional configuration.

05 **Temperature and derating**

Full-power temperature limits differ by family. Above the stated threshold, the supplied tables specify a 5%/°C power derating. Storage limits are separate from operating limits.

06 **Communication and metering**

Firmware-update support indicates an upgrade path, not that every future protocol version is already active. Optional MID- or NMI-certified meters depend on the ordered configuration.

VOLTARIS

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PRODUCT ENQUIRIES

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www.voltarisae.com

Product pages retain the original equipment finish with VOLTARIS logo application. Cover scene is a concept visualization. Options and certification scope depend on the confirmed configuration.

Technical baseline: supplied OEM brochure, 2026.02 VER:3.0. The product is continuously evolving. Please refer to the latest datasheet for specifications.