



## EV Charging Solution

### DC Charger/DC Wallbox 50kW-Smart Version

#### Features

- 50kW DC dual output
- Simultaneous charging increases the charging station turnover
- Credit card payment terminal for charge-to-go customers
- Compact and wall-mount installation saves space at charging sites
- $\geq 96\%$  power efficiency for energy conservation
- OCPP and network connectivity realize seamless system integration



Parking Space



Commercial Building



Fleet



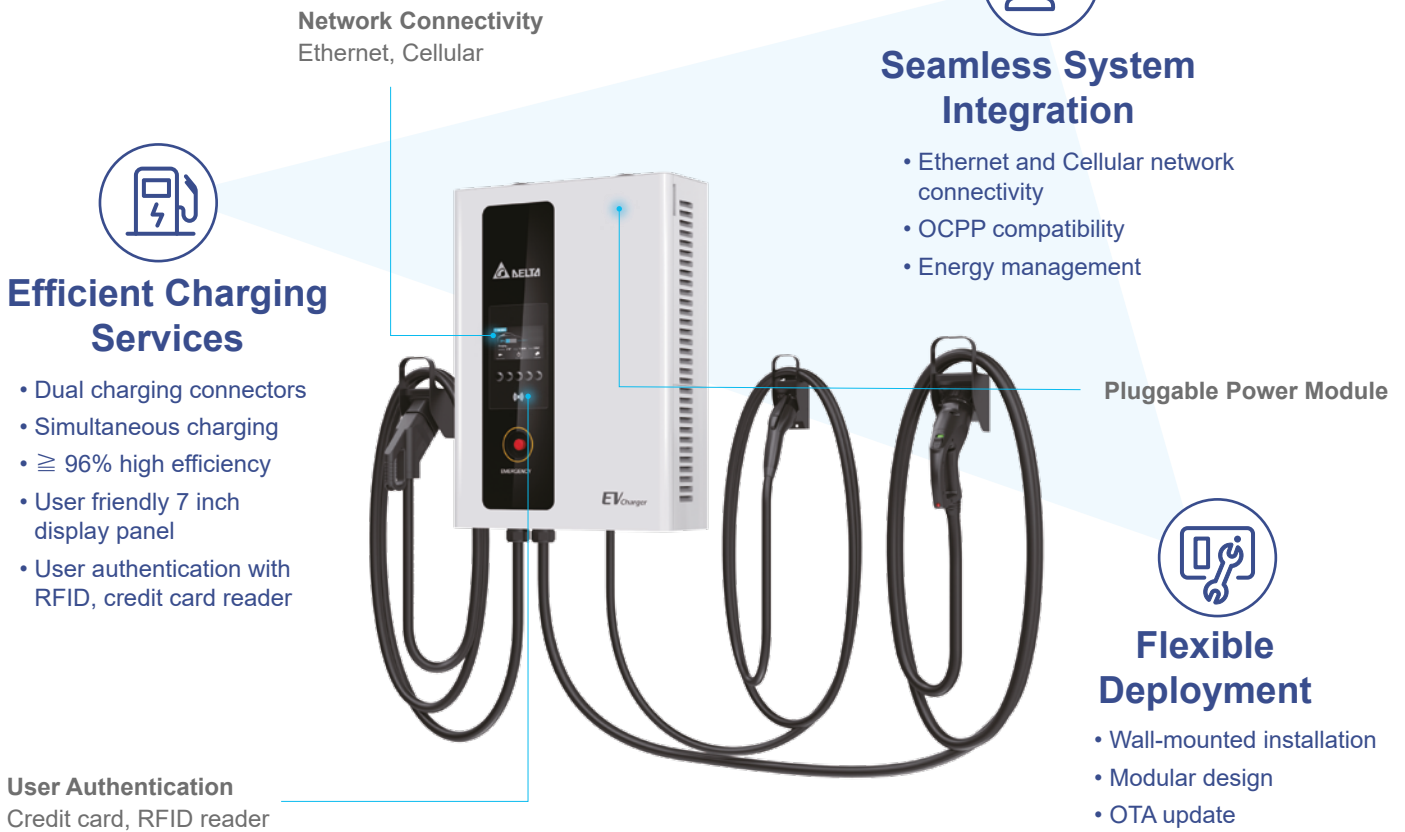
**DELTA**

# Slim Design for Powerful Service

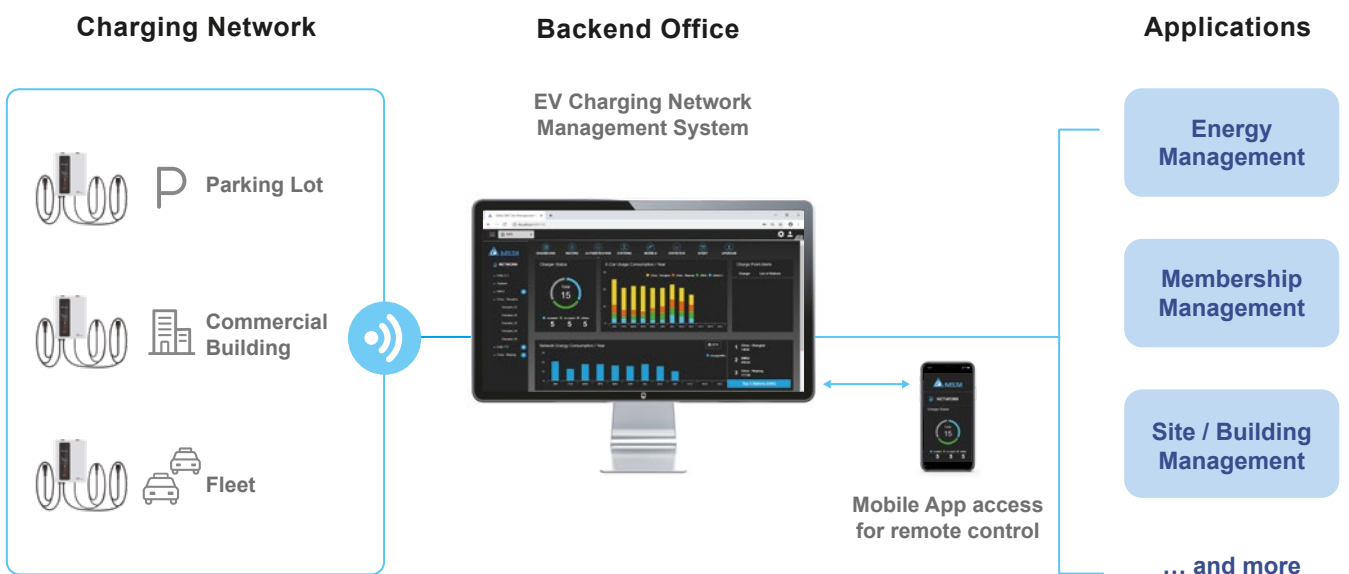
The DC Wallbox 50 kW provides high-efficiency charging services for commercial sites. With its dual charging connectors, charging station turnover can be maximised. The DC Wallbox 50 kW is OCPP-compatible, enabling backend integration for capabilities including user identification, remote monitoring and system control. Its small footprint and compact wall-mount design enables site owners to optimise site space and layout.



## Feature Highlights



## Application Scenario



# Specifications

<b>Part Number</b>	<b>EIDW-E50KTS</b>	
Description	50kW DC wallbox charger with network connectivity	
<b>Power Input</b>		
Input Rating	400 Vac, 3-Phase, L1, L2, L3, N, PE	
Power Factor	0.99	
Efficiency	≥ 96% at nominal output	
<b>Power Output</b>		
DC Output Interface	CCS2, CHAdeMO	
DC Output Voltage	200 - 1000Vdc	
DC Output Current	125A	
AC Output Interface	AC Type 2 Tethered Plug	
AC Output	400Vac, 3P, 32A at 22kW	
<b>Protection</b>		
Protection	Over current, Under voltage, Over voltage, Surge protection, Short circuit, Over temperature, Ground fault	
<b>User Interface</b>		
Network Interface	Ethernet, Cellular	
Protocol	Back-end system integration with OCPP 1.5 and 1.6 tested with OCTT Separate service interface and optional power/energy management interface	
Authentication	ISO / IEC 14443 A / B RFID, Credit card reader (Optional)	
Display	7 inch button assisted LCD panel	
Supported Language	English (Up to 4 additional languages available on request)	
Button	Emergency button(Optional)	
<b>Environmental</b>		
Operating Temperature	Operating from -25 °C to +50 °C	
Storage Temperature	-40 °C to +80 °C	
Humidity	< 95% relative humidity, non-condensing	
Altitude	2,000 m	
<b>Mechanical</b>		
Ingress Protection	IP 55	
Enclosure Protection	IK10 according to IEC 62262	
Cooling	Forced air	
Dimension (W x H x D)	900 x 650 x 250 mm	
Weight *	102 kg	
Cable length	Standard DC 4m, AC 5m, Optional DC 7m	
<b>Regulation</b>		
Certificate	IEC 61851-1, IEC 61851-22, IEC 62479, IEC 61851-23	
EMC	EN 55011, IEC 61851-21-2	
Accessibility	DIN 18040	
<b>DC Charging Points</b>		<b>CHAdeMO</b>
Rating cable and connector	125A <sub>DC</sub>	125A <sub>DC</sub> / 500V <sub>DC</sub>
Compliance	IEC 61851-23 / -24, IEC 62196-3, DIN 70121	IEC 61851-23 / -24, JEVS G 105, Rev. 1.2 compliant
<b>AC Charging Point</b>		
Nominal AC Voltage	400 V <sub>RMS</sub>	
At 22 kW charging point	3 x 32 A <sub>RMS</sub> at 22 kW	
Protections	RCD Type B 30mA	
Compliance AC socket 22kW	IEC 62196-2 Mode 3, Type 2	

\* Dimension and weight excluding charging connectors, subject to variants.  
Product outlook depends on configuration. Specifications are subject to change without notice.



More information

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