

# **DELTA EV CHARGER**AC Mini Plus

# **Features**

- Intuitive user interface
- RFID for user authentication
- Multi-communication options for backend integration
- Adjustable operating current adaptive to environment
- Friendly installation



# Small, Simple, and Smart for Home and Commercial Charging Applications

Delta AC Mini Plus features intuitive user interface, RFID function for charging authentication and casting adaptive to indoor and outdoor environments. Equipped with multiple communication options and OCPP 1.5, 1.6 connectivity, it can be figured for various charging applications. It is easy to install with clear wiring instruction and provides adjustable operating current option to meet available amperage at the installation site.



## **Specifications**

Power Input	Part Number	EVPE-
Number of Phase / Wire	Power Input	
Standby Power*   < 2 W Internal RCD   30 mA RCD and DC 6 mA RCD function  Power Output  Output Rating   230 Vac, single phase, 16 A or 32 A maximum, 50 / 60 Hz   3.68 kW or 7.4 kW maximum   (1) IEC 62196-2 Type 1 or Type 2 tethered plug, 5 m cable   (2) IEC 62196-2 Type 2 Socket    Protection  Upstream   In accordance with local regulations   Over current, Under voltage, Nesidual current, Surge protection, Short circuit, Over temperature, Ground fault, Plug-out protection   Short circuit, Over temperature, Ground fault, Plug-out protection   Short circuit, Over temperature, Ground fault, Plug-out protection   Cold-Load Pickup   Randomized delay before charge resume after power failure   Automatic recovery after nuisance trip   OVP, UVP, DT or OCP. No user intervention required.  User Interface & Control  Status Indicators   Power, Status, Charge, Fault   Buttons and Switch*   Key switch, On/Off switch, Reset button, Emergency stop button   Charger Configuration   Charging Current Adjustment, Charging Duration Limitation  Communication  Network Interface   Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access   Coppe   Environmental   Son *C to +50 *C (-22 *F to +122*F)   Storage Temperature   -40 *C to +80 *C (-40 *F to +176*F)   Humidity   < 95% relative humidity, non-condensing   Altitude   Up to 2,000 m (6,000 ft.)   Mechanical Ingress Protection   IK08 according to IEC 62262   Cooling   Natural cooling   Son *X 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package   Regulation	Input Rating	230 Vac, single phase, 16 A or 32 A maximum, 50 / 60 Hz
Internal RCD 30 mA RCD and DC 6 mA RCD function  Power Output  Output Rating 230 Vac, single phase, 16 A or 32 A maximum, 50 / 60 Hz 3.68 kW or 7.4 kW maximum  Charging Interface* (1) IEC 62196-2 Type 1 or Type 2 tethered plug, 5 m cable (2) IEC 62196-2 Type 2 Socket  Protection  Upstream In accordance with local regulations  Electrical Protection Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Plug-out protection  Cold-Load Pickup Randomized delay before charge resume after power failure  Automatic recovery The EVSE will automatically resume charging after a minor fault such as OVP, UVP, OTP or OCP. No user intervention required.  User Interface & Control  Status Indicators Power, Status, Charge, Fault  Buttons and Switch* Key switch, On/Off switch, Reset button, Emergency stop button  Charging Current Adjustment, Charging Duration Limitation  Communication  Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol OCPP  Environmental  Operating Temperature 40° Cto +80° C (-20° Fto +122°F)  Humidity 95% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IK08 according to IEC 62262  Cooling Natural cooling  Sexpulation	Number of Phase / Wire	L, N and PE (Ground), hardwired with terminal block
Power Output Qutput Rating 230 Vac, single phase, 16 A or 32 A maximum, 50 / 60 Hz 3.68 kW or 7.4 kW maximum Charging Interface* (1) IEC 62196-2 Type 1 or Type 2 tethered plug, 5 m cable (2) IEC 62196-2 Type 2 Socket  Protection Upstream In accordance with local regulations Electrical Protection Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Plug-out protection Cold-Load Pickup Randomized delay before charge resume after power failure Automatic recovery after nuisance trip OVP, UVP, OTP or OCP. No user intervention required.  User Interface & Control  User Interface & Control  Status Indicators Power, Status, Charge, Fault Buttons and Switch* Key switch, On/Off switch, Reset button, Emergency stop button Charger Configuration Charging Current Adjustment, Charging Duration Limitation  Communication  Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol OCPP  Environmental  Operating Temperature 3-00 °C to +50 °C (-22 °F to +122°F) Storage Temperature 4-00 °C to +80 °C (-40 °F to +176°F) Humidity 1 ye 5% relative humidity, non-condensing Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IK08 according to IEC 62262 Cooling Natural cooling  Natural cooling Sequalation	Standby Power*	< 2 W
Output Rating     230 Vac, single phase, 16 A or 32 A maximum, 50 / 60 Hz 3.68 kW or 7.4 kW maximum       Charging Interface*     (1) IEC 62196-2 Type 1 or Type 2 tethered plug, 5 m cable (2) IEC 62196-2 Type 2 Socket       Protection     Upstream     In accordance with local regulations       Electrical Protection     Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Plug-out protection       Cold-Load Pickup     Randomized delay before charge resume after power failure       Automatic recovery after nuisance trip     The EVSE will automatically resume charging after a minor fault such as over after nuisance trip       User Interface & Control     Status Indicators     Power, Status, Charge, Fault       Buttons and Switch*     Key switch, On/Off switch, Reset button, Emergency stop button       Charging Current Adjustment, Charging Duration Limitation       Communication     Eithernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access       Charging Protocol     DCPP       Environmental           Operating Temperature         -30 °C to +50 °C (-22 °F to +122°F)           Storage Temperature         -40 °C to +80 °C (-40 °F to +176°F)           Humidity         < 95% relative humidity, non-condensing	Internal RCD	30 mA RCD and DC 6 mA RCD function
Charging Interface*  (1) IEC 62196-2 Type 1 or Type 2 tethered plug, 5 m cable (2) IEC 62196-2 Type 2 Socket  Protection  Upstream In accordance with local regulations  Electrical Protection Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Plug-out protection  Cold-Load Pickup Randomized delay before charge resume after power failure  Automatic recovery after nuisance trip OVP, UVP, OTP or OCP. No user intervention required.  User Interface & Control  Status Indicators Power, Status, Charge, Fault  Buttons and Switch* Key switch, On/Off switch, Reset button, Emergency stop button  Charger Configuration Charging Current Adjustment, Charging Duration Limitation  Communication  Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol OCPP  Environmental  Operating Temperature -30 °C to +50 °C (-22 °F to +122°F)  Storage Temperature -40 °C to +80 °C (-40 °F to +176°F)  Humidity -95% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IPS5  Enclosure Protection IRO8 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight Regulation  Regulation	Power Output	
Protection  Upstream In accordance with local regulations  Electrical Protection Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Plug-out protection  Cold-Load Pickup Randomized delay before charge resume after power failure  Automatic recovery after nuisance trip OVP, UVP, OTP or OCP. No user intervention required.  User Interface & Control  Status Indicators Power, Status, Charge, Fault  Buttons and Switch* Key switch, On/Off switch, Reset button, Emergency stop button  Charger Configuration Charging Current Adjustment, Charging Duration Limitation  Communication  Network Interface Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol OCPP  Environmental  Operating Temperature -30 °C to +50 °C (-22 °F to +122 °F)  Storage Temperature -40 °C to +80 °C (-40 °F to +176 °F)  Humidity -95% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IROS according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight since the since and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Output Rating	
Upstream         In accordance with local regulations           Electrical Protection         Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Plug-out protection           Cold-Load Pickup         Randomized delay before charge resume after power failure           Automatic recovery after unisance trip         The EVSE will automatically resume charging after a minor fault such as OVP, UVP, OTP or OCP. No user intervention required.           User Interface & Control           Status Indicators         Power, Status, Charge, Fault           Buttons and Switch*         Key switch, On/Off switch, Reset button, Emergency stop button           Charger Configuration         Charging Current Adjustment, Charging Duration Limitation           Communication         Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access           Charging Protocol         OCPP           Environmental         OCPP           Environmental         -30 °C to +50 °C (-22 °F to +122°F)           Humidity         < 95% relative humidity, non-condensing	Charging Interface*	
Electrical Protection  Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Plug-out protection  Cold-Load Pickup  Randomized delay before charge resume after power failure  Automatic recovery after nuisance trip  OVP, UVP, OTP or OCP. No user intervention required.  User Interface & Control  Status Indicators  Power, Status, Charge, Fault  Buttons and Switch*  Key switch, On/Off switch, Reset button, Emergency stop button  Charger Configuration  Charging Current Adjustment, Charging Duration Limitation  Communication  Network Interface  Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol  OCPP  Environmental  Operating Temperature  -30 °C to +50 °C (-22 °F to +122 °F)  Storage Temperature  -40 °C to +80 °C (40 °F to +176 °F)  Humidity  < 95% relative humidity, non-condensing  Altitude  Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection  IP55  Enclosure Protection  IKO8 according to IEC 62262  Cooling  Natural cooling  Dimension (H x W x D) / Weight  Regulation	Protection	
Short circuit, Over temperature, Ground fault, Plug-out protection  Cold-Load Pickup Randomized delay before charge resume after power failure  Automatic recovery after nuisance trip OVP, UVP, OTP or OCP. No user intervention required.  User Interface & Control  Status Indicators Buttons and Switch* Key switch, On/Off switch, Reset button, Emergency stop button  Charger Configuration Charging Current Adjustment, Charging Duration Limitation  Communication  Network Interface Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol OCPP  Storage Temperature  -30 °C to +50 °C (-22 °F to +122 °F)  Storage Temperature  -40 °C to +80 °C (40 °F to +176 °F)  Humidity  4 95% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mehanical  Ingress Protection IP55 Enclosure Protection IKO8 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight  Regulation	Upstream	In accordance with local regulations
Automatic recovery after nuisance trip  The EVSE will automatically resume charging after a minor fault such as OVP, UVP, OTP or OCP. No user intervention required.  User Interface & Control  Status Indicators Power, Status, Charge, Fault  Buttons and Switch* Key switch, On/Off switch, Reset button, Emergency stop button  Charger Configuration Charging Current Adjustment, Charging Duration Limitation  Communication  Network Interface Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol OCPP  Environmental  Operating Temperature -30 °C to +50 °C (-22 °F to +122 °F)  Storage Temperature -40 °C to +80 °C (-40 °F to +176 °F)  Humidity -595% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IP55  Enclosure Protection IK08 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight Regulation  Regulation	Electrical Protection	
User Interface & Control         Status Indicators       Power, Status, Charge, Fault         Buttons and Switch*       Key switch, On/Off switch, Reset button, Emergency stop button         Charger Configuration       Charging Current Adjustment, Charging Duration Limitation         Communication         Network Interface       Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access         Charging Protocol       OCPP         Environmental         Operating Temperature       -30 °C to +50 °C (-22 °F to +122°F)         Storage Temperature       -40 °C to +80 °C (-40 °F to +176°F)         Humidity       < 95% relative humidity, non-condensing	Cold-Load Pickup	Randomized delay before charge resume after power failure
Status Indicators       Power, Status, Charge, Fault         Buttons and Switch*       Key switch, On/Off switch, Reset button, Emergency stop button         Charger Configuration       Charging Current Adjustment, Charging Duration Limitation         Communication         Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access         Charging Protocol         OCPP         Environmental         Operating Temperature       -30 °C to +50 °C (-22 °F to +122°F)         Storage Temperature       -40 °C to +80 °C (-40 °F to +176°F)         Humidity       < 95% relative humidity, non-condensing         Altitude       Up to 2,000 m (6,000 ft.)         Mechanical         Ingress Protection       IRO8 according to IEC 62262         Cooling       Natural cooling         Dimension (H x W x D) / Weight       363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package         Regulation		The EVSE will automatically resume charging after a minor fault such as OVP, UVP, OTP or OCP. No user intervention required.
Buttons and Switch*  Key switch, On/Off switch, Reset button, Emergency stop button  Charger Configuration  Charging Current Adjustment, Charging Duration Limitation  Communication  Retwork Interface  Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol  OCPP  Environmental  Operating Temperature  -30 °C to +50 °C (-22 °F to +122 °F)  Storage Temperature  -40 °C to +80 °C (-40 °F to +176 °F)  Humidity  <95% relative humidity, non-condensing  Altitude  Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection  IP55  Enclosure Protection  IK08 according to IEC 62262  Cooling  Natural cooling  Dimension (H x W x D) / Weight  363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	User Interface & Control	
Charger Configuration Charging Current Adjustment, Charging Duration Limitation  Communication  Network Interface Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access  Charging Protocol OCPP  Environmental  Operating Temperature -30 °C to +50 °C (-22 °F to +122°F)  Storage Temperature -40 °C to +80 °C (-40 °F to +176°F)  Humidity < 95% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IP55  Enclosure Protection IK08 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight 363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package	Status Indicators	Power, Status, Charge, Fault
Communication         Network Interface       Ethernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local access         Charging Protocol       OCPP         Environmental         Operating Temperature       -30 °C to +50 °C (-22 °F to +122°F)         Storage Temperature       -40 °C to +80 °C (-40 °F to +176°F)         Humidity       < 95% relative humidity, non-condensing	Buttons and Switch*	Key switch, On/Off switch, Reset button, Emergency stop button
Network InterfaceEthernet (standard), WLAN (option), 3G (option) for backend communication Ethernet (standard) for local accessCharging ProtocolOCPPEnvironmentalOperating Temperature-30 °C to +50 °C (-22 °F to +122°F)Storage Temperature-40 °C to +80 °C (-40 °F to +176°F)Humidity< 95% relative humidity, non-condensingAltitudeUp to 2,000 m (6,000 ft.)MechanicalIngress ProtectionIP55Enclosure ProtectionIK08 according to IEC 62262CoolingNatural coolingDimension (H x W x D) / Weight363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without packageRegulationRegulation	Charger Configuration	Charging Current Adjustment, Charging Duration Limitation
Ethernet (standard) for local access  Charging Protocol OCPP  Environmental  Operating Temperature -30 °C to +50 °C (-22 °F to +122°F)  Storage Temperature -40 °C to +80 °C (-40 °F to +176°F)  Humidity < 95% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IP55  Enclosure Protection IK08 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight 363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Communication	
Environmental  Operating Temperature -30 °C to +50 °C (-22 °F to +122°F)  Storage Temperature -40 °C to +80 °C (-40 °F to +176°F)  Humidity < 95% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IP55  Enclosure Protection IK08 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight 363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package	Network Interface	
Operating Temperature  -30 °C to +50 °C (-22 °F to +122°F)  Storage Temperature  -40 °C to +80 °C (-40 °F to +176°F)  Humidity  < 95% relative humidity, non-condensing  Altitude  Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection  IP55  Enclosure Protection  IK08 according to IEC 62262  Cooling  Natural cooling  Dimension (H x W x D) / Weight  363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Charging Protocol	OCPP
Storage Temperature  -40 °C to +80 °C (-40 °F to +176°F)  Humidity  < 95% relative humidity, non-condensing  Altitude  Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection  IP55  Enclosure Protection  IK08 according to IEC 62262  Cooling  Natural cooling  Dimension (H x W x D) / Weight  363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Environmental	
Humidity < 95% relative humidity, non-condensing  Altitude Up to 2,000 m (6,000 ft.)  Mechanical  Ingress Protection IP55  Enclosure Protection IK08 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight 363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Operating Temperature	-30 °C to +50 °C (-22 °F to +122°F)
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Mechanical       Ingress Protection     IP55       Enclosure Protection     IK08 according to IEC 62262       Cooling     Natural cooling       Dimension (H x W x D) / Weight     363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package       Regulation	Humidity	< 95% relative humidity, non-condensing
Ingress Protection IP55  Enclosure Protection IK08 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight 363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Altitude	Up to 2,000 m (6,000 ft.)
Enclosure Protection IK08 according to IEC 62262  Cooling Natural cooling  Dimension (H x W x D) / Weight 363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Mechanical	
Cooling  Natural cooling  Dimension (H x W x D) / Weight  363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Ingress Protection	IP55
Dimension (H x W x D) / Weight  363 x 318 x 136 mm (14.3 x 12.6 x 5.4 inch), excluding charging cable, mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Enclosure Protection	IK08 according to IEC 62262
mounting plate and cable holder, 3.7kg (8.2 lbs), without package  Regulation	Cooling	Natural cooling
	Dimension (H x W x D) / Weight	
Certificate / Compliance CE, IEC 61851-1, IEC 61851-2	Regulation	
	Certificate / Compliance	CE, IEC 61851-1, IEC 61851-2

<sup>\*</sup>Depends on model configuration. Specifications are subject to change without notice.

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#### **Applications**











Workplace

