



# EV CHARGERS

*While the world of EV ( Electric Vehicle ) charging is new to many, 3E through its parental S A I T GROUP OF COMPANIES holds a very long and proven track record of providing Power Electronics for industries, especially the electro - chemical industry.*

*Batteries, are basically electrochemical devices.*

*Thus for 3E, EV chargers are nothing new, just a natural extension of technology.*

- ◆ 3E now are extending EV Chargers with standard charging Protocols in vogue.
- ◆ These are designed to work in extreme weather conditions of High Temperature, High Humidity, Heavy Rain etc. They are IP 55 and IK 10 rated.
- ◆ They are designed to be vandal proof, easy to use with NFC card or Apps to prevent unauthorised use.
- ◆ 3E Chargers comes by default with Type 2 (IEC 62 196 -2) type connectors / sockets.
- ◆ It is compatible with almost all EVs & PHEVs (Plugable Hybrid EVs) on roads now.

**ENERTECH ENERGY EQUATIONS FZ-LLC**  
A S A I T GROUP COMPANY

# Detailed Specifications

<b>Outlet Connection</b>	Type 2 Plug (with fixed Cable) or Socket ( Without Cable) to IEC 62196-2, Standard Cable length 5 M / 7.5 M, Flame Retardant to UL 94V-0 fixed Cable, Ingress Protection to IP 54
<b>Compliances</b>	CE & UKCA Compliant, Codes & STDs: EMC:2014/53/EU, IEC 61851-21, Environment: 2011/65/EU, REACH, RoHS *Certifications pending
<b>Charging Specs</b>	Max 22 kW up to 7.36 kW @ 32A on Single Phase -230 V (+/-) 10 %, 50 / 60 Hz up to 22 kW @ 32A on Three Phase - 440 V (+/-) 10 %, 50 / 60 Hz
<b>Operating Specs</b>	Humidity upto 95 % RH non-condensing Temperature -30 Deg C to +50 Deg C
<b>Application Connections</b>	Low Energy Bluetooth
<b>Status Indicator</b>	LEDs to show status of charger
<b>Statistical Data tracking</b>	Built-in Energy Meter for tracking Data
<b>Charger Connections</b>	WiFi 2.4 GHz b/g/n Connection; Local Management thru App; NFC reader; OCPP 1.6; Ethernet ( RJ 45); 4G /LTE (CAT1), 3G, 2G (Optional)
<b>Protections</b>	Continuous Monitoring of : Input Voltage, Output Current & Voltage and Temperature. Residual Current Monitoring (30 mA AC / 6 mA DC) with external RCD Type B Ground Fault Detection ; Ingress Protection to IP 55 ; Impact resistance to IK10 Fire Class to UL94
<b>Dimensions</b>	(H) 341 x (W) 170 x (D) 94 MM



3E Part Number	Facia Design	Capacity	Outlet Connection	MODEM
3E-EVC 1000P4011	Channeled - Grey coloured	7.4 kW	Type-2 Socket	
3E-EVC 1010P1000	Channeled - Grey coloured	7.4 kW	Type-2 Cable (5 M)	
3E-EVC 1010W1011	Channeled - Wooden Finish	7.4 kW	Type-2 Cable (5 M)	
3E-EVC1100P4011	Channeled - Grey coloured	11 kW	Type-2 Socket	
3E-EVC 1110P1000	Channeled - Grey coloured	11 kW	Type-2 Cable (5 M)	
3E-EVC1110W1011	Channeled - Wooden Finish	11 kW	Type-2 Cable (5 M)	
3E-EVC 1200P4011	Channeled - Grey coloured	22 kW	Type-2 Socket	
3E-EVC 1201P4011	Channeled - Grey coloured	22 kW	Type-2 Socket	Quectel EG91-EX modem
3E-EVC 1210P1000	Channeled - Grey coloured	22 kW	Type-2 Cable (5 M)	
3E-EVC 1210W1011	Channeled - Wooden Finish	22 kW	Type-2 Cable (5 M)	
3E-EVC 1211P1000	Channeled - Grey coloured	22 kW	Type-2 Cable (5 M)	Quectel EG91-EX modem
3E-EVC1211W1011	Channeled - Wooden Finish	22 kW	Type-2 Cable (5 M)	Quectel EG91-EX modem

Owing to 3E's policy of continuous improvement, models and specs noted here are subject to revisions.



No matter at home or in public place, 3E EV chargers can meet your various charging needs. We constantly develop and come up with chargers in order to bring the best use experience to our customers .



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