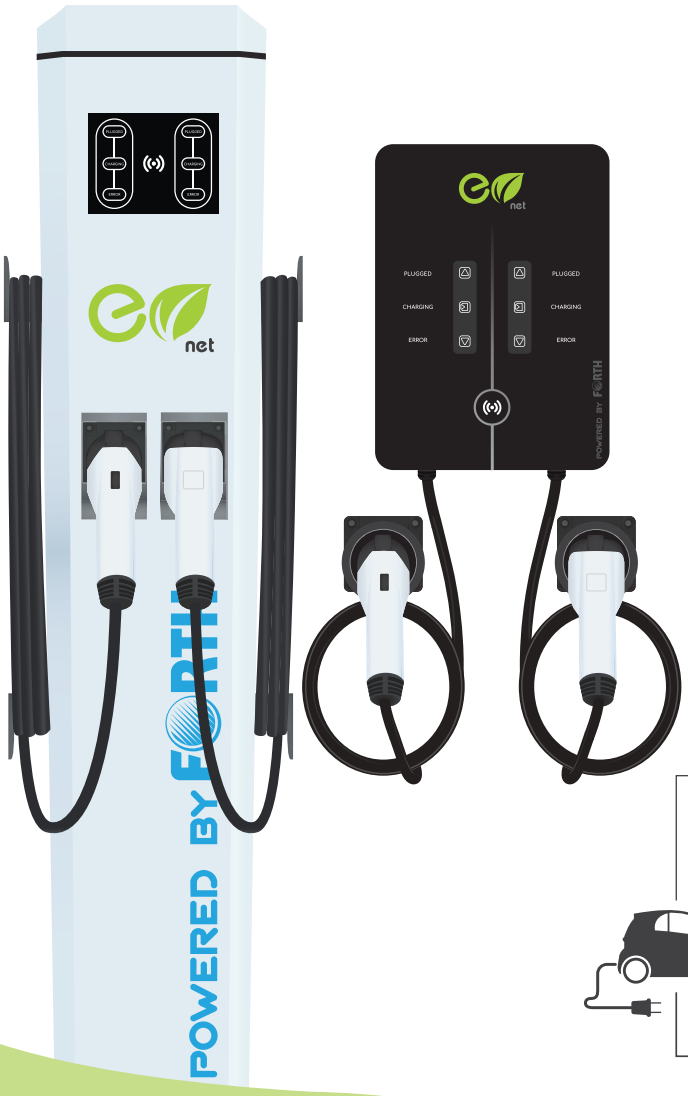
EV CHARGING STATION
PRODUCT & SERVICE

Smart & Easy

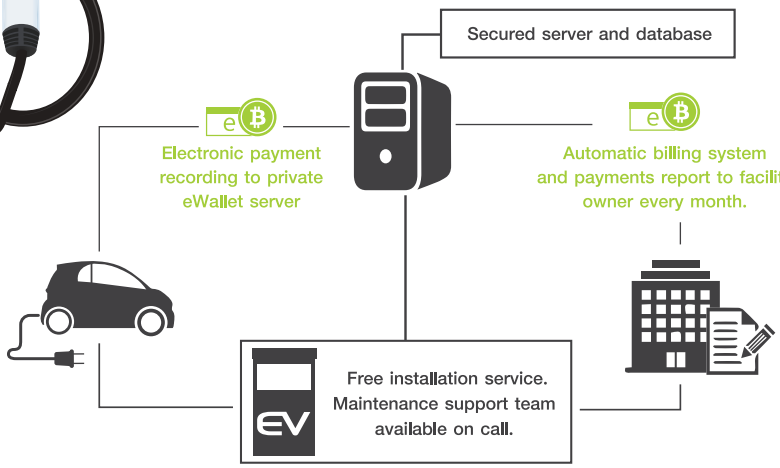
The rising popularity and recognition of electric vehicles is undeniably apparent. Many leading automotive manufacturers flocked to roll out more electric vehicles every years. This rising technology is attracting the interest of automotive consumers from around the world, simply because electric vehicles do not emit any pollutions and are more economical to use. Forth sees the significance of this technology which inspires us to develop our first Electric Vehicles Charging station that we so call the EV net. The EV charging system expressing the smartness with unrivalled ease of use, this forms our mentality of making a product which is “Smart and Easy” to use.

The EV net is designed and manufactured in accordance with the SAE J1772/IEC62196-2 standard in our technologically advanced facilities. The structural strength and durability of the EV net makes it a flexible charging station to utilize, whether it is outdoor in tough weather conditions or inside a garage or a parking lot.



Smart Solution + Billing System

- Automatic billing system. Vehicle owner can pay electronically and the facility owner can passively takes monthly income effortlessly.
- No need to install meter separately. The station already has built-in meter which report back to the server.
- Servicing team available every day to take care of the charging station incase of any problems.
- eWallet payment system which makes it easy to pay.
- One station can charge different type of cars.
- Online notification system that notify vehicle owner when the battery is full or the charging time is over. Extra charge can be applied to vehicle staying longer than the charge duration.
- No staffs needed for operating the system.
- Real time monitoring available.
- Charging history would be recorded for reference.



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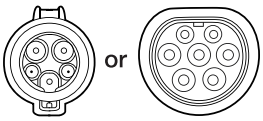
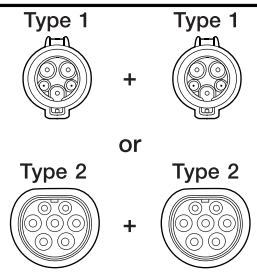
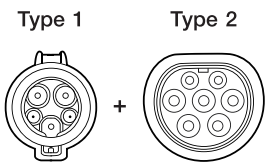
Specification

EV Charging Station

		SINGLE CONNECTOR		DUAL CONNECTOR			
							
Electrical Data							
Control Unit	Rate Current / Ch	15A	32A	15A	32A	15A	32A
	Maximum Power @ 230 V (1)	3.4kW	7.3kW	3.4kW	7.3kW	3.4kW	7.3kW
	Rate Voltage	110V ~ 240Vac					
	Frequency	50 / 60 Hz					
	Protection Class	Class I					
Vehicle Cable	Standard and Designation	SAE-1772 / IEC 62196-2					
	Connector Type	Type I : SAE J1772 / Type II : IEC62196-2					
	Cable Length	4.6 M					
Charge Time @ 230 V (2) (Estimated with 18kWh Battery)		6 Hrs	3 Hrs	6 Hrs	3 Hrs	6 Hrs	3 Hrs
Main Input	Supplied Service Conductors	Single Phase with Safety Ground (L, N, Ground) / Ch					
Station Power Consumption		3.5W Typical (Stand by)					
Ambient Condition							
Operating Temperature		-30°C to +50°C					
Storage Temperature		-40°C to +50°C					
Humidity		up to 85% @ +50°C non-condensing					
Energy Metering							
Power Measurement Accuracy		±2% from 2% to full scale (16A)					
Power Report / Store Interval		15 minutes, aligned to hour					
Connectivity (Optoinal)							
Local Area Network		2.4 GHz Wi-Fi (802.11 b/g/n)					
Wide Area Network		3G GSM, 3G CDMA					
Card Reader		ISO 15693, 14443, NFC					
RFID		Standard 13.56 MHz, ISO/IEC 14443 A&B, ISO/IEC 15693 protocols					
Safety							
Ground Fault Detection		20mA GFCI					
Open Safety Ground Detection		Continuously monitors presence of safety (green wire) ground connection					
Surge Protection		6kV @ 3000 A. In geographic areas subject to frequent thunder storms.					
IP class		IP54					
Warranty		2 years					
Compaliant with the following standards		IEC 61851, IEC 62196, SAE J1772, TIS 2749					

*1 Maximum power @ 230Vac input per channel.

*2 Maximum power and charge time depending on max power of on board charge.

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