

Safety, Interoperability, V2X



Who killed GM EV1?

GM protest to CARB at EVAA in Sacramento December 2001

Can TEPCO help?



GM used inductive charging









Ford proposed conductive charging





CHAdeMO Spent 4 years for Development

Joint development started in 2005 with Subaru

Launch 2009 Mitsubishi i-MiEV and 2010 Nissan Leaf





Subaru R1e January 2005 Trial Use in TEPCO April 2007 TEPCO introduced dozens of i-MiEV September 2009



CHAdeMO Shared IP for Free

CHAdeMO was born in 2005 and spread to the world

Variants developed









https://www.chademo.com/





CHAdeMO

Safety First

User safety is CHAdeMO highest value

Connector interface EV contactor Power supply Power (+) lines Power supply **EV** Contactor **Control relay** Charger12V d1 Charger start/stop 1 Charger start/stop 2 g Ignition 12V Analog Connection check control Connector Pin Layout lines Charger12V Charging enable/disable On-board 12V Ground wire 🛨 FG FG CAN-H CAN BUS CAN-L

Fail safe protocol using analog & digital lines

ps://www.chademo.com/

No major accidents in 16 years



Not a CHAdeMO Charging Station



Excellent Interoperability

Well-defined specification and certification process

More than 99% availability

Tech-Spec continuously version up



International Certification Bodies











V2X Products are in the Market



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Market Needs and Competitions Improve our Service

Most suitable design depends on battery size

Please visit CHAdeMO Booth 408 to view

Specification	Power, battery size	Application examples	
CHAdeMO3.0 (ChaoJi-2) CHAdeMO 4.0 (Ultra-ChaoJi) (Soon)	 Chaoji-2 900kW 1500V 600A Ultra-ChaoJi. 1.8MW (1500V 600AX 2) 		
CHAdeMO	 50-150kW 150-500V Battery 50kWh+ 		
 e-PTW CHAdeMO (NEW) 	 1-10kW 20-120V Battery 2-10kWh 	i	
 EPAC CHAdeMO (NEW) 	 <800W 36V nominal / 42Vmax Battery <1000Wh 	কৈ 🔨	



