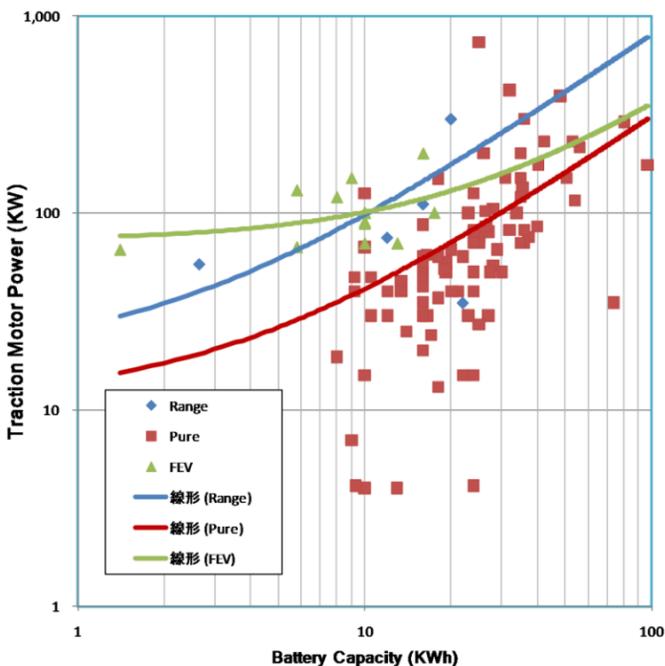


# 内容見本



Maker	Model	Launch	Maker	Model	Launch
Chang'an	Ben Ben Mini EV	CY2011	SAIC	Roewe 750 EV	CY2011
Chery	Riich M1 EV	CY2011	SAIC	Roewe350C EV	CY2011
Chery	Tiggo 3 EV	CY2011	SSC	Ultimate Aero EV	CY2011
Coda	Coda EV	CY2011	Tata	Nano EV	CY2011
Courb	C-ZEN	CY2011	Tazzari	Tazzari Zero	CY2011
CT&T	CT&T	CY2011	ZAP	ZAP Jonway Alias	CY2011
Geely	Gleagle IG EV	CY2011	Zotye	Zotye2008EV	CY2011
Geely	Panda EK	CY2011	BMW	Mini E	CY2010
Geely	Panda EV (Nanoq EV)	CY2011	Bollere	Bluecar	CY2010
GM	Chevrolet Cruise EV	CY2011	BYD	BYD e6	CY2010
GM	e-Spark	CY2011	BYD	BYD F3e	CY2010
Great Wall	Kulla	CY2011	Ford	Transit Connect EV	CY2010
Great Wall	Voleex C20R-EV	CY2011	LI-ion	LiV Inizio R	CY2010
Green	MOOSE	CY2011	LI-ion	WAVE	CY2010
Green	TRIAC 2.0	CY2011	Miles	Move	CY2010
Haima	Freema	CY2011	MMC	i-MiEV	CY2010
Haima	Me	CY2011	Nissan	Leaf	CY2010
Hyundai	BlueOn	CY2011	PSA	iOn	CY2010
Kia	Venga EV	CY2011	REVA	G-Wiz	CY2010
LI-ion	LiV Inizio RT	CY2011	REVA	REVA NXR	CY2010
LI-ion	LiV Inizio RTX	CY2011	REVA	REVA-NXG	CY2010
MMC	i-MiEV S	CY2011	Rinspeed	Rinspeed iCharge	CY2010
MMC	i-MiEV Sport	CY2011	Rinspeed	RINSPEED UC?	CY2010
MMC	i-MiEV Sport Air	CY2011	SABA	Carbon Zero roadster	CY2010
MMC	Minicab MiEV	CY2011	Tata	India Vista EV	CY2010
Nissan	Shuaike EV	CY2011	Tesla	Model S	CY2010
Porsche	Porsche 911 EV	CY2011	Tesla	Tesla Roadster	CY2010
Protoscar	Protoscar Lampo3	CY2011	TH!NK	TH!NK city	CY2010
PSA	Berlingo First EV	CY2011	Wanxiang	Wanxiang EV	CY2010
PSA	Peugeot Partner EV	CY2011			

# 世界電気自動車市場レポート 最新版

## 2011 EV Market Report

### ～電気自動車市場2011～

発刊2011年7月6日 定価157,500円 A4版205頁 PDFファイル付き

- 電気自動車市場は、2012年、主要メーカーの市場参入により本格的な市場拡大が開始されます。
- EV Market における注目点は次の3つ。急速なバッテリー価格の低減が進んでいます。GMのChevrolet Volt 向けでLG Chem、BMW向けでSB Limotive、さらにHunndai向けでSK Innovation の韓国メーカー3社の高い価格競争力が今後のEVバッテリーマーケットを主導する可能性があります。
- さらに、18650 Type のセルを使用する方式のEV バッテリーの採用が拡大傾向にあります。Tesla Motors と同じ方式で、米国Boston Power Batteryや Valence Technologyなどが小型セルを使用したEV バッテリーを開発。今後市場拡大の可能性がります。
- LTO バッテリーの採用が広がります。ToshibaはMMCのI-MiEV向けにLTOを納入。今後さらにその採用が広がっています。米国でもBusなどの商用車ではLithium Titanate Batteryへの注目が集まっています。
- 本書では、過去10年にわたるハイブリッド、電気自動車市場の継続的な市場調査の結果に基づき、すべての電気自動車モデルの的確な分析を元に、2020年までの市場規模予測を行っています。

## FAX申込み用紙

下記の資料を申込みます。

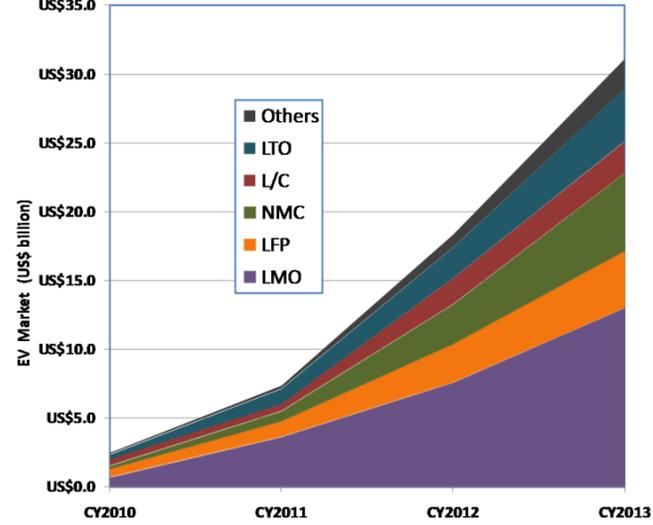
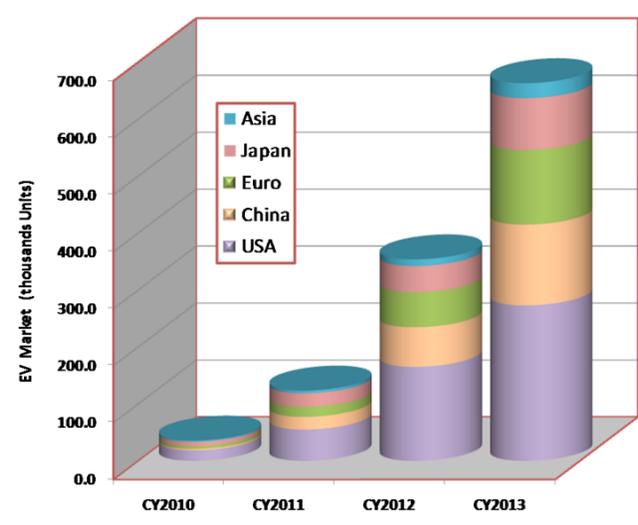
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## Ch1 CY2010-2013 EV Market Outlook

### 1. EV Market CY2010-CY2013

- (1) Electric Vehicle Type
- (2) Chevrolet Volt ほかEV
- (3) PEV Model
- (4) REV Model

### 2. EV Market Volume & Sales

- (1) 2010 EV Market Launch
- (2) EV Type Market Share
- (3) EV Market Area Share
- (4) EV Market Battery Type

### 3. EV Market Maker Share

- (1) EV Total Market Maker Share
- (2) PEV Maker Share Estimate
- (3) REV Maker Share Estimate

### 4. EV Model List

- (1) 2013年154 Model Launch
- (2) EV Model List

## Ch2 Electric Vehicle Market Strategy

### 1. Nissan // CY2011 3 Model Launch

- (1) CY2016 EV Total 1.5 Million Units
- (2) 2011 3 EV Model
- (3) Battery Cost/Technology
- (4) Leaf VS Volt

### 2. Renault // CY2011 EV Launch

- (1) CY2011 Fluence Z.E
- (2) Kangoo Z.E
- (3) 2つのEV Compact Car
- (4) 本格化するEV展開

### 3. MMC // Commercial EV Launch

- (1) 世界環境戦略車 i-MiEV
- (2) Pure EV Battery Specification
- (3) Minicab MiEV
- (4) Outlander PHV

### 4. GM // Chevrolet Volt Launch

- (1) Chevrolet Volt Launch
- (2) VOLTEC Electric Drive System
- (3) REV Model 展開拡充
- (4) GM EV Strategy

### 5. BYD // EV Taxi/Bus Launch

- (1) CY2010 e6
- (2) Electric Bus K9E
- (3) PHV S3DM
- (4) BYD-Daimler Model

### 6. VW Group // PEV・REV Model

- (1) Golf blue-e-motion
- (2) E-UP / Bulli PEV Model
- (3) Audi 2つのe-Tron
- (4) Golf PHV Model

### 7. Daimler // E-Cell Line-up

- (1) Tesla Battery Model
- (2) EV Sports E-Cell Model
- (3) Commercial EV Van Model

(4) BYD/Daimler Venture

### 8. Toyota // CY2012 Launch

- (1) iQ EV Model CY2012
- (2) RAV4 EV
- (3) Daihatsuとの連携
- (4) 次期PriusのHybrid System

### 9. Honda // CY2012 Fit EV

- (1) Fit EV Model Release
- (2) P-NUT=もうひとつのEV
- (3) Inspire Plug-in
- (4) 2012年中国生産開始へ

### 10. PSA // CY2011 Model Launch

- (1) iOn / C-Zero
- (2) Electric Van Line-up
- (3) EV Sports Car
- (4) PSA Fuel Cell EV Model

### 11. Hyundai // PEV&PHV Launch

- (1) BlueOn / Venga EV
- (2) Kia Naimo Concept
- (3) Blue-Will Plug-in Hybrid
- (4) Fuel Cell i-Blue / Diesel-Hybrid

### 12. BMW // BMW i Model CY2013

- (1) 2つのPure EV Model
- (2) Concept 1 Series Active E
- (3) Megacity Vehicle 'BMW i'
- (4) LifeDrive Architecture

### 13. Ford // Focus Electric Launch

- (1) Transit Connect Electric
- (2) Focus Electric CY2011
- (3) MyFord Application
- (4) Plug-in Hybrid C-MAX

### 14. Tesla VS Fisker // PEV&REV

- (1) EV Venture Tesla Motors
- (2) Model X
- (3) KARMA Production
- (4) A123 LFP Battery

### 15. Fiat / Saab // PEV Launch

- (1) Fiat 500 EV
- (2) Chrysler Plug-in Hybrid
- (3) Saab 9-3 ePower
- (4) Boston Power Battery

### 16. Volvo / Rover / TH!NK city

- (1) Volvo C30EV Launch
- (2) Plug-in Hybrid 2012
- (3) Land Rover Defender Safari EV
- (4) Think City 2012 Launch

### 17. FAW / SAIC // Pure EV Launch

- (1) FAW E-coo / PHEV
- (2) FAW-VW 'Kaail'
- (3) SAIC CY2102 Launch
- (4) SAIC Plug-in Hybrid

### 18. Chery/Geely // Low Price EV

- (1) Chery Riich M1 EV Launch
- (2) Geely Panda EK CY2012
- (3) Geely Sedan REV/PHV

(4) Geely PHEV Model

### 19. Tata / Mahindra // India EV

- (1) Indica Vista EV Launch
- (2) Nano EV CY2012 Launch
- (3) REVA NXR Coming Soon
- (4) REVA Electric Car NXG

### 20. USA EV Venture

- (1) Green Vehicle EV Model
- (2) Ultimate Aero EV / Carbon Zero
- (3) ZAP-Jonway
- (4) Production Delay

### 21. Euro EV Venture

- (1) C-ZEN / Lighting GT
- (2) Rinspeed Beach Buggy EV
- (3) Bluecar CY2011 Launch
- (4) Protoscar / Tazzari

### 22. Asia EV Maker Others

- (1) Coda EV
- (2) Zotye Auto / Great Wall
- (3) Haima / Wanxiang
- (4) SIM-Drive / CT&T

### 23. USA EV Truck Bus

- (1) Proterra EV Bus
- (2) Orion Bus

### 24. Euro EV Truck Bus

- (1) Smith Electric Vehicles
- (2) Daimler-Mitsubishi Fuso
- (3) Alexander Dennis / FEV Bus

### 25. Asia EV Truck Bus

- (1) Zhongwen Bus / Anka Bus
- (2) BYD / SAIC EV Bus
- (3) ISUZU / Toyota

## Ch3 Electric Vehicle Device Market

### 1. EV Battery MAP

- (1) EV Battery Type
- (2) EV Battery Trend
- (3) EV Battery × EV Maker

### 2. EV Battery Maker List

- (1) Small Commercial Cells
- (2) LFP Battery
- (3) LMO Battery
- (4) NMC Battery
- (5) LTO Battery / Others

### 3. EV Battery Specification

- (1) Permanent Magnet Motor
- (2) AC Induction Motor
- (3) In-Wheel Motor

### 4. EV Motor Specification

- (1) PowerTrain Maker Alliance
- (2) IGBT PowerDevice
- (3) SiC PowerDevice
- (4) GaN Power Device

## Ch4 Electric Vehicle Technology

### 1. EV Model Analysis

- (1) EV Market Second Stage
- (2) Second Stage Status
- (3) EV Price Ranking

### 2. EV Specification Ranking

- (1) Drive Range Ranking
- (2) Battery Capacity Ranking
- (3) Motor Power Ranking

### 3. Electric Consumption Analysis

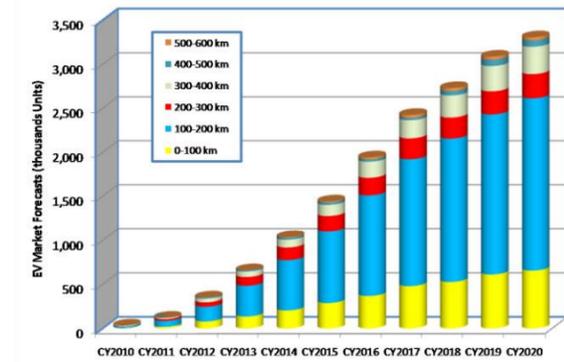
- (1) Wh/km Ranking
- (2) Electric Consumption Wh/kg
- (3) Battery Type Wh/kg
- (4) EV Type Wh/kg

### 4. Battery Specification Analysis

- (1) Battery Type × Motor Power
- (2) EV Power × Motor Power
- (3) Battery Specification Analysis

### 5. EV Cost Analysis

- (1) 急激なCost Reduction
- (2) PEV Cost Structure
- (3) REV Cost Structure



Group	CY2010	CY2011	CY2012	CY2013
New Player	17.0 47.9%	41.3 33.5%	104.8 29.6%	160.5 24.2%
China Player	3.4 9.6%	16.5 13.4%	57.7 16.3%	106.1 16.0%
GM Group	1.0 2.8%	15.3 12.4%	49.2 13.9%	96.6 14.6%
Nissan Group	1.0 2.8%	14.0 11.4%	39.0 11.0%	91.2 13.7%
MMC/PSA	8.0 22.6%	29.0 23.6%	48.6 13.7%	79.9 12.1%
Daimler Group	0.7 1.9%	0.3 0.2%	9.7 2.8%	36.0 5.4%
VW Group	0.0 0.0%	0.1 0.1%	7.0 2.0%	17.3 2.6%
Toyota Group	1.3 3.7%	0.6 0.4%	6.7 1.9%	16.9 2.5%
BMW Group	0.5 1.4%	0.5 0.4%	6.0 1.7%	15.0 2.3%
Hyundai Group	0.6 1.7%	0.9 0.7%	6.0 1.7%	10.5 1.6%
Ford Group	0.2 0.6%	1.0 0.8%	3.9 1.1%	6.9 1.0%
Fiat/Chrysler	0.0 0.0%	0.0 0.0%	1.0 0.3%	6.0 0.9%
Honda Group	0.2 0.6%	0.2 0.2%	0.3 0.1%	2.3 0.3%
Others	1.6 4.4%	3.6 2.9%	13.7 3.9%	17.8 2.7%
<b>Total</b>	<b>35.5 100.0%</b>	<b>123.2 100.0%</b>	<b>353.6 100.0%</b>	<b>663.0 100.0%</b>

## Ch5 Electric Vehicle Market Forecasts

### 1. EV Market Volume Forecasts

- (1) EV Type Volume Forecasts
- (2) Area Volume Forecasts
- (3) EV Battery Type Volume Forecasts

### 2. EV Market Total Sales Forecasts

- (1) EV Type Sales Forecasts
- (2) Area Sales Forecasts
- (3) EV Battery Type Sales Forecasts

### 3. EV Specification Forecasts

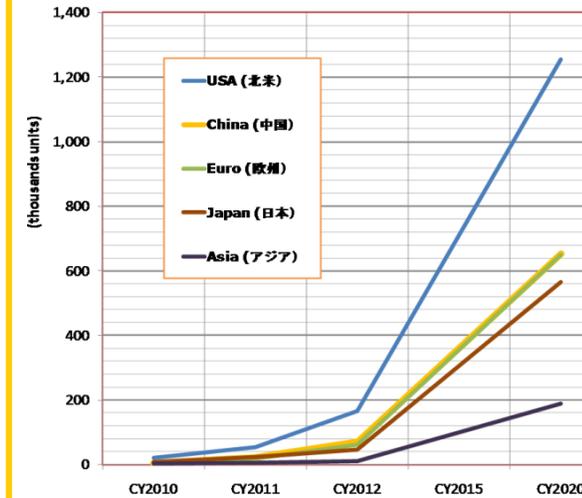
- (1) Drive Range Forecasts
- (2) EV Battery Capacity Forecasts
- (3) EV Traction Motor Forecasts

### 4. EV Maker Share Forecasts

- (1) Total Market Maker Share
- (2) PEV / REV Forecasts
- (3) Battery Maker Share Forecasts

### 5. EV Market Area Share Forecasts

- (1) USA Market Maker Share
- (2) Euro Market Maker Share
- (3) Japan Market Maker Share
- (4) China Market Maker Share
- (5) Asia Market Maker Share



Battery Maker	Battery Type	Specific Energy (Wh/kg)	Specific Power (W/kg)
Electrovaya	LMO	210.0	2000
Boston Power Battery (Cell)	L/C	180.0	440
Dow Kokam	NMC	180.0	2300
SK Energy (Cell)	LMO	140.0	4000
Sanyo	NMC	125.0	1095
A123 Systems	LFP	110.0	3300
SB Limotive	NMC	110.0	2000
Lithium Energy Japan (Module)	LMO	109.0	300
SK Energy (Cell)	LMO	100.0	4500
Toshiba	LTO	100.0	1000
Altair Nanotechnologies	LTO	95.0	4000
LG Chem	LMO	95.0	2000
Panasonic	NMC	92.0	3400
AESC	LMO	89.0	2080
SB Limotive	NMC	85.0	4000
Hitachi-Vehicle-Energy	NMC	69.6	3000
GS Yuasa	LMO	67.1	3600
AESC	LMO	63.0	2250
Johnson Controls / Saft	LFP	54.0	5000