

Annex 1

Information of single-deck electric buses which commenced / completed the trials and the corresponding charging facilities (as at May 31, 2018)

Number, model, manufacturer and origin of buses	Day of commencement of trial	Service route [origin and destination]	Location of charging facilities	Number of charging facilities and its site area (including parking space)	Information of electricity storage device and charging requirement	Monthly average number of on-road breakdowns ^[i] and bus availability (%) ^[ii]
KMB						
4 supercapacitor buses Model: JNP6122UC Manufacturer: China Youngman Automobile Group Company Limited (Youngman) Origin: China	Trials commenced in phases in March 2017 and November 2018	284 (4 buses) [Sha Tin Central - Ravana Garden (Circular)] Total distance of 5.7 km	Sha Tin Central Bus Terminus (for top up charging during operation)	2 (about 49 m ² each)	750 V／200 A (DC) Supercapacitor capacity of 53 kWh About 20 minutes for a full charge	0.11 time(s) 53.4%
			Shatin Depot (for overnight charging)	2 (one of them is under preparation) (about 49 m ² each)		

Notes:

[i] Breakdowns only include failure of passenger-carrying buses which necessitate passenger evacuation except those owing to accidents.

[ii] The outages unrelated to malfunctions (including inspections for Certificate of Road Worthiness/Certificate of Fitness, monthly inspections, routine maintenance/checking, cleaning, etc.) are excluded.

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KMB						
10 battery-electric buses Model: K9R Manufacturer: BYD Auto Industry Company Limited (BYD) Origin: China	10 battery-electric buses commenced the trials in phases between July 2017 and September 2018. The current routes are different from the initial ones ^[iii] .	6C (2 buses) [Mei Foo - Kowloon City Ferry Pier] 10.2 km both for departure and return	Lai Chi Kok Bus Maintenance Depot	4 (about 44 m ² each)	380 V / 126A (AC) Lithium iron phosphate battery Battery capacity of 324 kWh	0 time(s) 86.4%
		35A (2 buses) [Tsim Sha Tsui East - On Yam] 15.1 km both for departure and return	Yuet Lun Street Depot (Both depots support Routes 6C, 35A and 42A)	2 (about 44 m ² each)	About 4 hours for a full charge	0 time(s) 82.7%
		42A (2 buses) [Jordan (To Wah Road) - Cheung Hang] 14.6 km for departure from Cheung Hang 14.4 km for departure from Jordan				0 time(s) 84%
		5C (2 buses) [Star Ferry Pier - Tsz Wan Shan (Central)] 10.8 km for departure from Tsz Wan Shan 11.2 km for departure from Star Ferry Pier	Kowloon Bay Bus Maintenance Depot	4 (about 44 m ² each)		0.1 time(s) 59%

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		603 (2 buses) [Ping Tin - Central (Central Ferry Piers)] 16.2 km for departure from Ping Tin 18.1 km for departure from Central				0 time(s) 83.6%

Notes: [iii] Starting from September 28, 2018, the trial routes are adjusted. The current routes are 7M [Lok Fu – Chuk Yuen Estate (Circular)], 203C [Tai Hang Tung – Tsim Sha Tsui East (Mody Road)], 11D [Lok Fu – Kwun Tong Ferry] and 43M [Kwai Fong Station – Cheung Ching (Circular)].

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LWB						
4 battery-electric buses Model: K9R Manufacturer: BYD Origin: China	July 2017	S64 (2 buses) [Tung Chung (Yat Tung Estate Public Transport Terminus) - Airport (Passenger Terminal Building) (Circular)] Total distance of 22.5 km	Siu Ho Wan Bus Maintenance Depot	4 (about 44 m ² each)	380 V / 126A (AC) Lithium iron phosphate battery Battery capacity of 324 kWh About 4 hours for a full charge	0 time(s) 79.3%
	February 2018	E31 (2 buses) [Tung Chung (Yat Tung Estate Public Transport Terminus) - Tsuen Wan (Discovery Park Bus Terminus)] 33.9 km for departure from Tsuen Wan 33.5 km for departure from Tung Chung				0 time(s) 51.5%

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CTB						
6 battery-electric buses Model: K9R (3 buses) Manufacturer: BYD Origin: China ----- Model: LS-130-116 (3 buses) Manufacturer: Great Dragon International Corporation Limited (Great Dragon) Origin: China	The trial of 3 BYD buses commenced in December 2015 and completed in May 2018. 3 Great Dragon buses commenced the trial in June 2017. The current routes are different from the initial ones ^[iv] .	11 (1 BYD and 1 Great Dragon) [Central (Central Ferry Piers) - Jardine's Lookout (Circular)] Total distance of 15.7 km	Chai Wan Depot	BYD: 3 (about 70 m ² each) Great Dragon: 3 (about 70 m ² each)	BYD: 380 V / 126A (AC) Lithium iron phosphate battery Battery capacity of 324 kWh Full charge for about 4 hours -----	BYD: 0.56 time(s) 75.9% Great Dragon: 0.75 time(s) 61.4%
		12 (1 BYD and 1 Great Dragon) [Central (Central Ferry Piers) - Robinson Road (Circular)] Total distance 7.5 of km			Great Dragon: 700 V / 100A (DC) Lithium iron phosphate battery	BYD: 0.04 time(s) 73.4% Great Dragon: 0.25 time(s) 69.9%
		25A (1 BYD and 1 Great Dragon) [Wan Chai (Hong Kong Convention & Exhibition Centre Extension) - Braemar Hill (Circular)] Total distance of 11.4 km			Battery capacity of 315 kWh About 4 hours for a full charge	BYD: 0.6 time(s) 77.5% Great Dragon: 0.5 time(s) 61.8%

Notes: [iv] Starting from July 1, 2018, Great Dragon battery-electric bus running on Route 12 is deployed to Route 25A.

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NWFB						
4 battery-electric buses Model: K9R (2 buses) Manufacturer: BYD Origin: China -----	The trial of 2 BYD buses commenced in December 2015 and completed in May 2018. 2 Great Dragon buses commenced the trial in June 2017. The current routes are different from the initial ones ^[v] .	78 (1 BYD and 1 Great Dragon) [Wong Chuk Hang Station - Wah Kwai Estate (Circular)] Total distance of 8.9 km	Wong Chuk Hang Depot	BYD: 1 (about 70 m ²) Great Dragon: 1 (about 70 m ²)	BYD: 380 V / 126A (AC) Lithium iron phosphate battery Battery capacity of 324 kWh	BYD: 0.16 time(s) 82.4% Great Dragon: 0.42 time(s) 47.8%
		81 (1 BYD and 1 Great Dragon) [Lai Tak Tsuen - Chai Wan (Hing Wah Estate)] 11.2 km for departure from Lai Tak Tsuen 10.5 km for departure from Hing Wah Estate	Chong Fu Road Depot	BYD: 1 (about 70 m ²) Great Dragon: 1 (about 70 m ²)	About 4 hours for a full charge ----- Great Dragon: 700 V / 100A (DC) Lithium iron phosphate battery Battery capacity of 315 kWh Full charge for about 4 hours	BYD: 0.4 time(s) 77.3% Great Dragon: 1.17 time(s) 32.2%

Notes: [v] Starting from July 1, 2018, Great Dragon battery-electric bus running on Route 81 is deployed to Route 78.

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NLB						
2 battery-electric buses Model: K9R Manufacturer: BYD Origin: China	The trial commenced in July 2018	38 (2 buses) [Tung Chung (Yat Tung Estate Public Transport Interchange) - Tung Chung Station Bus Terminus (Circular)] Total distance of 4.2 km	Yat Tung Estate Public Transport Interchange	2 (about 37 m ² each)	BYD: 380 V / 126A (AC) Lithium iron phosphate battery Battery capacity of 324 kWh About 4 hours for a full charge	Not applicable (As at the end of the statistical period, i.e. May 31, 2018, the two battery-electric buses were not yet put into service)