

1

“ ”

2017

2006 2020

2012 2020

“ ”

2017

“

”

2020

/

6

38

5

2016-2020

2016

6

18

2017

6

19-38

11.2

1:1

(1.1)

1-2

4

5

5

1

1

“

1-2

”

2

2

2

1

1.1

/

/

-

300Wh/kg

1500

0.8

/Wh

1

1.2

- -

				200Wh/kg		
1200				SOC	SOP	SOH
	±3%			2		
/Wh		1				1.2
	1		3			
				3000		

1.3

			120Wh/kg
	80%		6C
10000			

	200Wh/kg	50Wh/kg		
1500W/kg	5000W/kg	50% SOC		
5000	10		2	
	1000		1000	
	200			
2				
2.1				
			SiC	/
/	SiC			
	SiC			
	SiC	/	SiC	
			400A	750V
			30kW/L	
40-80kW		98.5%		1000
2.2				

	4kW/kg	30
2.5kW/kg	96%	

25000

20Nm/kg 60

11Nm/kg

96%

5000

3

3.1

EMI

100 Mbit/s

80%

GB 14023-2011

80%

GB 18387-2013

70%

2

3.2

4.2

70 MPa

			2.5
70%		2.0	
3.1kW/L,			600W/L
55%	0.25g/kW	5000h	-30

4.3

		10000h	
300W/kg	60%	0.5g/kW	-25

83

4.4

	0-100%		5
	30%	25	
600W/L	60%	0.5g/kW	5000h
-30			
4.5			

5 /

5.1

		0-100km/h 5s		
0-50km/h 2.5s		70km		
				GB
19578-2014	40%		1.3L	1
	/			
	ISO 26262ASIL-C		5000	

5.2

		70km		
0-100km/h 8s		0-50km/h 3.5s		
				GB 19578-2014
	40%	1.3L		
	ISO 26262ASIL-C		5000	

5.3

40%() 1

1

5.4

2

50% 2

30% C-WTVC

25

6

6.1

10kWh/100km

() 30% 300km()

0-100km/h 6s 140km/h

25%(ECE)

6.2

(

)

(4.5m) 10kWh

/100km() 400km()

10% () 0-100km/h

6s 160km/h 25% ECE

6.3 ()

12 0-50km/h 15s 30
100km/h 25%
11000kg 0.55kWh/km()
-20 40 250km()
25% () 60km 10min
5000