

2017 294 1

**“新能源汽车”
重点专项 2018 年度项目申报指南**

2006 2020

2012 2020

2018

2020

/

6

38

5 2016-2020

2016

6

18

18

2017

6

19

1

20

2018

6

24

24-48

9

1 1

1.1

1-2

3

5

5

1

1

1-2

2

2

2

1.

1.1

- -

2

			210Wh/kg	1200
	80%	DOD		
			SOC	SOP
	SOH		3%	
2		80%	SOC	1
				ISO 26262
ASIL-C				1.2 /Wh
	1		2	
3000				
1.2				

- - -

				170Wh/kg		3000
80% DOD						
	SOC	SOP	SOH		3%	
		2		80%	SOC	15
						ISO
26262 ASIL-C						
30				1.2	/Wh	3000
		3				1000
	1.3	/				

/

100% DOD
1.4

/

/

400Wh/kg

500

2000

0.3C

300Wh/kg

100% DOD

1.5

- -

/

10

200

2.

2.1

IGBT

- -

PCU

10~12

PCU

10.0kVA/kg

98%

90%

80%

EMC

PCU

8

2.2

- -

PCU

A

B

/

PCU

PCU

ISO

26262ASIL- C

PCU

10

NVH EMC

		400A	750V
1.4uF/mL			30kW/L
98.5%	90%	90%	
4.0kW/kg 30		2.5kW/kg	
96.5%		94.5%	85%
85%		10	2

2.4

NVH

A A0

2.5kW/kg	30		18Nm/kg
1.8kW/kg		94%	75dB A

0.1 -150
30 0.05
1 2
97% 95%
200
3.2

V2X

6

/

3.3

SAE3-4

SAE 4

SAE 3

200

V2V

V2I

V2X

4

SAE 4

100

SAE

3

1000

4.

4.1

70MPa

-

2

80kW

5000h

30

180km/h 0-100km/h

12

14 SUV

30%

650km

1.0kg/100km

1.2kg/100km SUV

-20

5000km

1

4.2

-

55% 10000h 30kW 160km/h 30
 120km/h 0-100km/h 12
 14 SUV 30% 450km
 -30 5000km
 1
 4.3 -

50kW 1000h
 -30 10000h
 0-50km/h 20
 15% 12 7.5kg/100km
 400km SOC 10%

1

10

4.4

- -

80kW

-30

10000h

1000h

0-50km/h

20

20%

10m

8.0kg/100km

500km

SOC

10%

30

90km/h

1

5

4.5

14

UNDP

100

2

5000h

1500h

40000km

5000km

5. /

5.1

				93%	
0-100km/h	8	0-50km/h	3.8		
	70km			15kWh/100km	
					GB
19578-2014		40%		1.3L	1-2
		/			
	ISO 26262	ASIL-C		3000	
5.2					
					/
				16L/100km	12m
43kWh/100km			50km		
		2	/		
1000					
16					

5.3

220g/kWh

0.65kW/kg

96%

B

40%

1000

6.

6.1

SUV

SUV

800

SUV

SUV

4.5m

13kWh/100km

400km

0-100km/h	6	150km/h	
45%		25%	ECE
	20	30%-80%SOC	
10%			
C-NCAP		800	

6.2 N2/N3

		0-50km/h	15
30	100km/h	30%	
	25%	GB/T 18386	
	30%	N2	
-20	40	250km	GB/T 18386
E_{kg}	0.3kWh/ km·t	N3	
-20	40	8h	5000

6.3

