

.....	1—9
.....	9—45
.....	45—95
.....	95—119
.....	119—127

.....

2022 1797

2022

267

	1	2022	1		972,285.17
2022	6	30		57.96%	“ 7.5GW
5GW				” “	”
52.63%	2.08%	2			373,201.03
“				” “	20GW
”		39.85%	30.28%	3	

1

2

3

2

()

2022 2 16

1	7.5GW 5GW	[]		-	-

2

1 —

1 5.4.1

1

2

3

1

()

1.

2022 9 30

782,745.80

80.43%

1	7.5GW 5GW	7.5GW 5GW	562,257.98	400,000.00	263,959.66	136,040.34	65.99%
2			74,978.81	50,000.00	11,405.87	38,594.13	22.81%

4			345,210.74	115,800.00	99,979.68	15,820.32	86.34%
5		20GW	429,240.27	145,721.03	145,721.03	-	100.00%
6			111,680.00	111,680.00	111,680.00	-	100.00%
	-	-	1,673,367.80	973,201.03	782,745.80	190,455.23	80.43%

2.

“ 7.5GW

5GW ” “ ” “

” “ 20GW ”

(1) 7.5GW 5GW

2 2022 9 30

263,959.66 65.99%

(2)

1 2022 9 30

11,405.87 22.81%

()

(3)

2 2022 9 30

99,979.68

86.34%

(4)

20GW

2 2022 9 30

145,721.03

()

1.

(1)

2022 9

80.43%

N

N

N

“

”

2.

N

N

(2)

N

P

PERC

<

≡

N

N

1

2

GDR

A

606,533,086

2022 9 30

47.91 / 90%

261.53

2018

2022 1

N

2.

(1)

“

” “

”

“

”

“

”

(2)

“

”

2021

170GW

30.8%

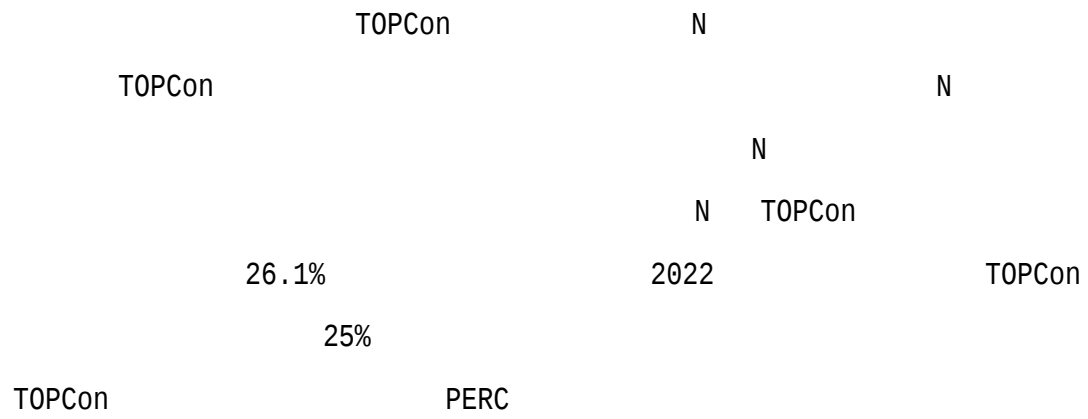
926GW

“

”

220GW

(3)



()

1.

(1)

(2)

(3)

(4)

2.

(1)

(2)

(3)

	1		1,000,000.00		“
11GW		”	“		8
	”	“			8GW
	”	“	20GW	10GW	”
	410,000.00	70,000.00	60,000.00	160,000.00	
2			300,000.00	3	
		18.83%	22.68%		5.38
5.93					
	1				
2					
		30%	3		
				4	
		1			2
			4		
3			22		
	3				
()					

1. 11GW
(1)

1.1		415,449.55	95.14%	410,000.00
1.1.1		410,439.99	94.00%	410,000.00
1.1.1.1		99,040.94	22.68%	410,000.00
1.1.1.2		311,399.06	71.31%	
1.1.2		896.19	0.21%	-
1.1.3		4,113.36	0.94%	-
1.2		21,209.48	4.86%	-
		436,659.02	100.00%	410,000.00

1)

99,040.94

1		129,000.00	2,550.00	32,895.00
			2,850.00	36,765.00
-		129,000.00	-	69,660.00

3		6,868.00	660.00	453.29
4	110KV	4,200.00	1,980.00	831.60
5		-	-	4,874.36
-		-	-	6,770.06
-		-	-	99,040.94

2)

309,664.02

/

		309,664.02

(2)

1)

			/
1		129,000.00	8GW N 106,335.28 1.33 /GW 1.17 /GW
2		30,850.90	8GW N 19,795.71 0.25 /GW 0.28 /GW
3		10,000.00	1,795 5.57 /
4		6,963.00	1,795 3.88 /
5		21,813.48	1,795 12.15 / 8.78 /
6		15,756.00	

GW

() 28,309.01 /GW

GW					
					1GW
	2021	15GW	15	466,374.00	31,091.60
	2021	5GW 3GW	3	101,487.00	33,829.00
	2020	5GW	5	180,171.00	36,034.20
	2022	10GW	10	230,712.71	23,071.27
	2020	16GW	16	542,091.64	33,880.73
	2020	10GW 5GW	5	169,948.33	33,989.67
	2020	8GW	8	314,079.05	39,259.88
	2020	7.5GW	7.5	179,101.36	23,880.18
	2020	7.5GW	7.5	188,952.48	25,193.66
	2021	6.5GW	6.5	292,500.00	45,000.00
	2021	10GW 2GW	2	90,000.00	45,000.00
	2020	4.3GW	4.3	123,000.00	28,604.65
					23,071.27~45,000.00
					33,236.24
	2022	11GW	11	311,399.06	28,309.01

23,071.27~45,000.00 /GW 33,236.24 /GW

28,309.01 /GW

N N

2. 8

(1)

4. 20GW

10GW

(1)

1.1		172,586.80	85.12%	160,000.00
1.1.1		166,640.46	82.19%	160,000.00
1.1.1.1		46,335.59	22.85%	160,000.00
1.1.1.2		120,304.87	59.34%	
1.1.2		931.20	0.46%	-
1.1.3		5,015.15	2.47%	-
1.2		30,161.29	14.88%	-

-		47,242.17		14,078.35
1		-	-	3,181.63
-		-	-	3,181.63
-		-	-	46,335.59

2)

119,707.20

/

1		1,067.00
2		81,180.30
3		14,952.40
1		522.81
1		16,081.40
2		5,578.59
1		120.00
2		204.70
		119,707.20

(2)

1)

PMC

			/
1		70,393.52	20GW 155,770.89 0.78 /GW 0.70 /GW
2	PMC	44,812.18	20GW 48,924.11 0.24 /GW 0.45 /GW 2 20GW 10GW

3

74,750.00

62.44%

20GW

166,400.00

GW

8,320

GW

7,475

10%

GW

()

12,030.49 /GW

GW

					1GW
	2022	35GW	35	529,648.80	15,132.82
	2021				

(1) 11GW

1.1		415,449.55	95.14%	410,000.00	
1.1.1		410,439.99	94.00%	410,000.00	
1.1.1.1		99,040.94	22.68%	410,000.00	
1.1.1.2		311,399.06	71.31%		
1.1.2		896.19	0.21%	-	-
1.1.3		4,113.36	0.94%	-	-
1.2		21,209.48	4.86%	-	-
		436,659.02	100.00%	410,000.00	

(2) 8

1.1		77,383.46	85.01%	70,000.00	
1.1.1		73,700.85	80.97%	70,000.00	
1.1.1.1		12,522.64	13.76%	70,000.00	
1.1.1.2		61,178.21	67.21%		
1.1.2		2,939.42	3.23%	-	-
1.1.3					

26.59%

23.82%

(2)

1

2

/

3

4

1)

=2024

-2021

=

-

2019 -2021

17.29%

2022 1-9

527.72

117.40%

2022

2023-2024

17.29%

2022-2024

2019-2021

2022-2024

=

× 2019-2021

2019-2021

		2022E	2023E	2024E
		7,036,229.92	8,252,893.06	9,679,934.37
	69.81%	4,912,168.84	5,761,551.94	6,757,805.32
	12.40%	872,710.36	1,023,614.26	1,200,611.57
	7.78%	547,689.66	642,392.90	753,471.67

1	74,978.81	50,000.00	24,978.81
---	-----------	-----------	-----------

300,000.00

522,968.58

()

1. 11GW

(1)

12 1.5 10.5
2 40% 3 100%

1)

$$\frac{N}{P} = \frac{PERC \cdot P}{0.05} \times \frac{0.15}{N} \times \frac{N}{2022} \times \frac{N}{P}$$

$$PV \text{ Infolink}$$

$$0.05 \text{ /W}$$

	T+2	T+3	T+4	T+5~T+12
	309,085.13	703,168.67	668,010.23	660,442.48
/W	0.70			

2022 1-9	0.89	-	0.99-1.02
2021	0.63	0.76	0.78-0.92
2020	0.31	0.67	-

2020 -2021 1-6

2021

2022 1-6

A

2022

1 /W

0.70 /W

0.60

/W

2)

PV Infolink

			/
2022 1-9	6.29	-	3.5-8
2021	3.82	3.83	

2020

2021 2022 9 2021

1-6

2021 -2022 9

2021 3.82 / 2022 6.29 /

2021 3.5 / 2022 9 8 /

3.23 /

2.72 /

20 10% 6 10%

5

	2021	2020	2019	
	2.20%	2.66%	7.22%	4.03%
	2.79%	2.50%	2.23%	2.51%

	2021	2020	2019	
	1.77%	2.10%	2.30%	2.06%

0.05%

2% N

3%

3)

13%

7%

	2021	5GW	3GW	25.19%	3.87
	2020	5GW		20.41%	5.47
	2022	10GW		29.27%	4.64
	2020	16GW		14.70%	6.20
	2020	10GW	5GW	15.19%	6.18
	2020	8GW		16.48%	5.69
	2020	7.5GW		19.59%	
	2020	7.5GW		17.00%	

2022 N PERC P 0.15
 /W N P 0.02 /W N
 P PV Infolink
 P 0.02 /W N

	T+1	T+2	T+3	T+4	T+5~T+11
	189,823.15	1,186,569.57	1,122,000.21	1,100,477.09	1,086,128.34
/W	1.56	1.46	1.38	1.36	1.34
GW	1.22	8.11	8.11	8.11	8.11

/W

PV Infolink

P

0.05 /W N

	2020	10GW	17.56%	6.14	14.53%
	2019	3GW	18.85%	5.71	
	2021	15GW	14.00%	6.28	11.30%
	2022	5GW	16.49%	5.90	
			16.73%	6.01	12.92%
	2022	8	18.92%	5.81	7.80%
	2022	8GW	21.73%	5.38	7.88%

1

2

8

8GW

8

8GW

19.92% 14.94% 13.40% 10.24%

1

9

PVInfoLink 1 1.56
/W 2022 1-6 1.77 /W 12 2

1.34 /W
3 2020

3.
(1) 8GW

8GW “ 8 ”

11 9 10 3
1 15% 2 100%

1)

= ×

N N
2022 N PERC P 0.15

/W

	P	PV Infolink
P		0.02 /W N

PV Infolink

P 0.05 /W N

11GW

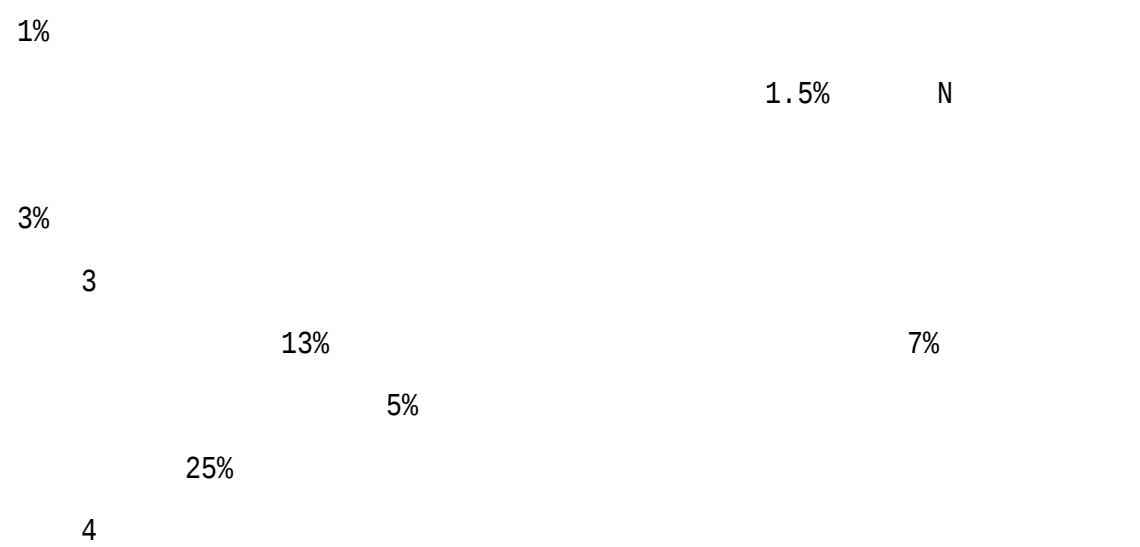
“ ()1.(1)1) ”

/	23.38-27.91	23.78-28.36	-	-
/	7.31-13.16	-	7.61-11.35	7.29-13.04

2019 -2022 1-3

2019 -2022

	2021	2020	2019	
	2.20%	2.66%	7.22%	4.03%
	2.79%	2.50%	2.23%	2.51%
	1.77%	2.10%	2.30%	2.06%



	1,101,194.53
	17,824.00
	21.73%
	5.38

(2)

“ 8GW ”

()2.(2)

	2021	2020	2019	
	2.20%	2.66%	7.22%	4.03%
	2.79%	2.50%	2.23%	2.51%
	1.77%	2.10%	2.30%	2.06%

0.5%

1%

0.5%

3)

13%

7%

5%

15%

4)

	424,258.87
	58,736.96
	22.68%
	5.65

	2022	35GW	24.60%	4.89	18.03%
	2021	15GW	17.76%	5.97	18.03%
	2020				

(1)

(2)

300,000.00

30%

30%

4

(3)

(4)

(5)

22

4.1

4

1

19.92% 14.94% 13.40%

10.25%

2

260.87%

3

4

30.41% 20.44%

14.98% 15.30%

5

1

2

3

4

()

1.

(1)

2022 1-9		2021	2020	2019
----------	--	------	------	------

	2022 1-9	2021	2020	2019
	-7.01%	-0.33%	11.92%	-

1

/ 1.79 /

3

2020-2021 2022 1-9

0.08 / 0.09 / 0.13 /

2.

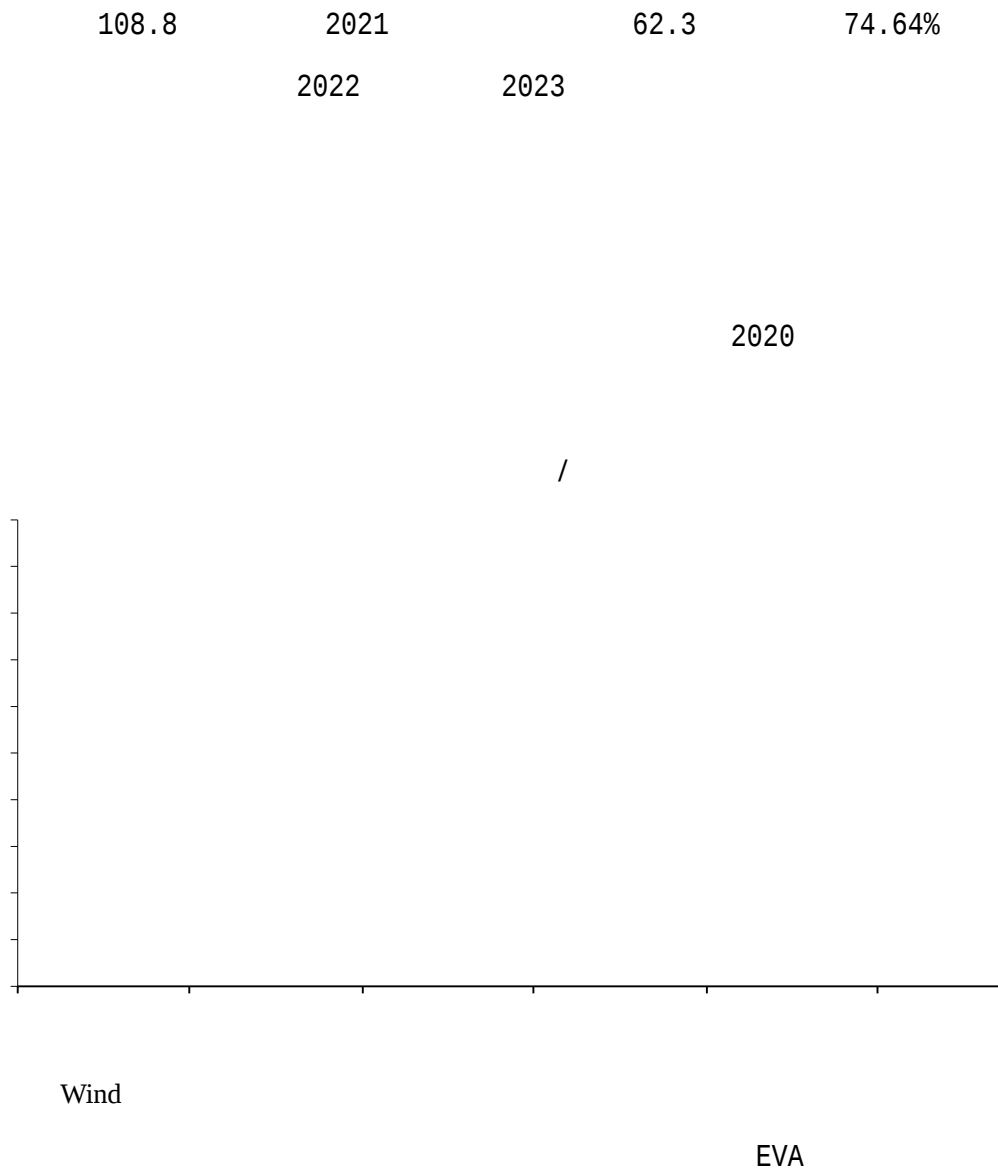
5298				
	2022 1-9	2021	2020	2019
[1]	-	17.06%	20.53%	24.57%
[2]	11.82%	12.43%	14.90%	17.30%
[3]	-	14.15%	16.09%	21.02%
	-	-2.43%	0.41%	7.24%
	-			

[3]

2019-2021

2022

/



2)

2021 170GW 2007-2021

33.87% 2021

926GW 2022 1-9

1.79 / 5.39%

3) N

 P N

N

N TOPCon

2022

N

PERC P

0.15

/W

N

N

(2)

1) N TOPCon

N TOPCon

N TOPCon

2) 2021

(

)

(

)

3)

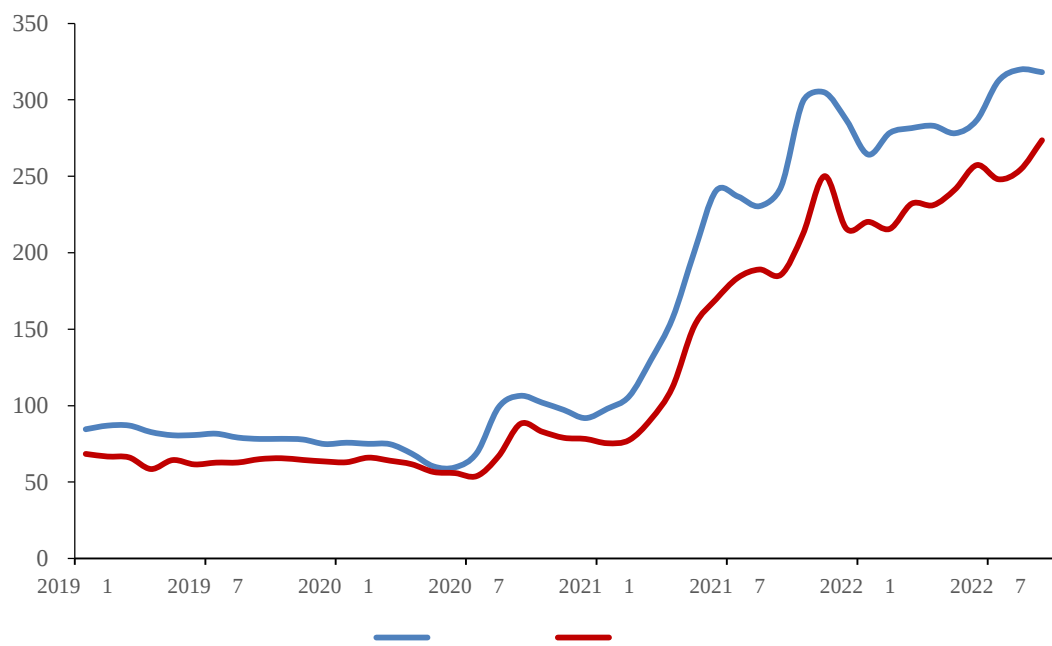
			2023	1
2030	12	33.60	2022	9
2026	12	38.28		
		Wacker		

4)

11.02% 15.69% 36.90% 37.12%

58.37 / 61.17 / 158.41 / 220.26 /

/



--	--	--

	2021 2022	
		硅料价格统计 2021 2020 2019 2021
	2022	Wind 2019 2022 6 73 / 85 / 235 / 269 / 2019 2022 1.50 /W 1.36 /W 1.41 /W 1.58 /W 2022 2021 235 / 2022 6 269 / 2020 “ ”

	2021 2022	165.69% CCFI 2,615.54 2021
		329,691.17 97,193.53 2020 198,253.64
		2022 2022 6 2022 6
	2021	

(3) 2022 9

256,159.43 107,206.87

200,628.29 721,915.76 8.14% 3.11% 4.21%

9.67% 2022 9

2022 9

2022

2021 158.41 / 2022

1-9 220.26 /

2022 9

4.1()

“

2020

58.37 / 61.17 / 158.41 /

220.26

	1	NEXTERA ENERGY, INC.	32.43	11.00%	2015	NEXTERA ENERGY NEE.N		2018 NextEra 1.75GW 2019 1GW Sanford Estoppel DG2, Two Creeks
	2	X-ELIO ENERGY SL	18.38	6.23%	2018	X-ELIO 2GW		2019 X-ELIO Vigo Mexico

2019

	1	NEXTERA ENERGY, INC.	18.49	5.49%				2018 NextEra 1.75GW 2020 0.5GW Southfork, Echo River 2021

2020

2

CONSOLIDATED
EDISON
DEVELOPMENT,
INC.

17.15 5.09% 2016

	5	TRUNG NAM CONSTRUCTION INVESTMENT CORP.	9.36	2.78%	2014	2004 17 1,500 15		611MW 2021
	1	Adani Green Energy Ltd.	18.76	4.62%	2018	Adani 20,434		Adani AEML700MW SECI600MW 2022 4 2022
2021	2	ALDO COMPONENTES ELETRONICOS LTDA.	15.26	3.76%	2018	ALDO 30% 2018		ALDO ALDO 30%

	4		9.45	2.33%	2018	2018		100MW 20MW
	5	ABC Renewable Energy (RJ-01) Private Limited	7.68	1.89%	2021	Brookfield 7,500 100	Brookfield	NTPC453MW 2022 4 2022
2022 1-9	1	ALDO COMPONENTES ELETRONICOS LTDA.	20.88	3.96%				ALDO 30% 2022 ALDO 2.2GW
	2	Enel	14.56	2.76%				2022 Enel 122.82MW Enel 132MW

	2022 1-9	2021	2020	2019	
	21.48%	9.05%	18.69%	17.96%	9.05%~21.48%
	14.31%[2]	18.54%	17.87%	19.34%	14.31%~19.34%
		33.29%	59.65%	60.00%	33.29%~60.00%
		18.19%			

2021

~

A

	4			34,613.04	5.41%
	5			33,840.00	5.29%
				186,103.92	29.07%

2021

()

1.

(1)

(2)

(3)

(4)

(5)

2.

(1)

,

(2)

1

2

3

()

1.

96.55% 98.00% 95.71% 98.13%

	2022 1-9		2021		2020		2019	
	1,333,978.55	26.22%	747,901.78	19.86%	477,455.53	14.68%	520,018.91	18.39%
	871,850.11	17.13%	1,005,987.94	26.71%	952,147.95	29.27%	726,603.79	25.69%
	367,553.67	7.22%	661,159.31	17.55%	1,007,584.99	30.98%	754,961.90	26.69%
	742,883.80	14.60%	472,996.62	12.56%	205,832.17	6.33%	335,038.23	11.85%
	261,063.78	5.13%	150,429.06	3.99%	91,561.67	2.82%	109,059.21	3.86%
	3,577,329.90	70.30%	3,038,474.70	80.68%	2,734,582.32	84.08%	2,445,682.05	86.47%
	1,511,162.20	29.70%	727,837.96	19.32%	517,936.41	15.92%	382,671.42	13.53%
	5,088,492.10	100.00%	3,766,312.66	100.00%	3,252,518.73	100.00%	2,828,353.47	100.00%

2,445,682.05

2,734,582.32 3,038,474.70 3,577,329.90

7.50%

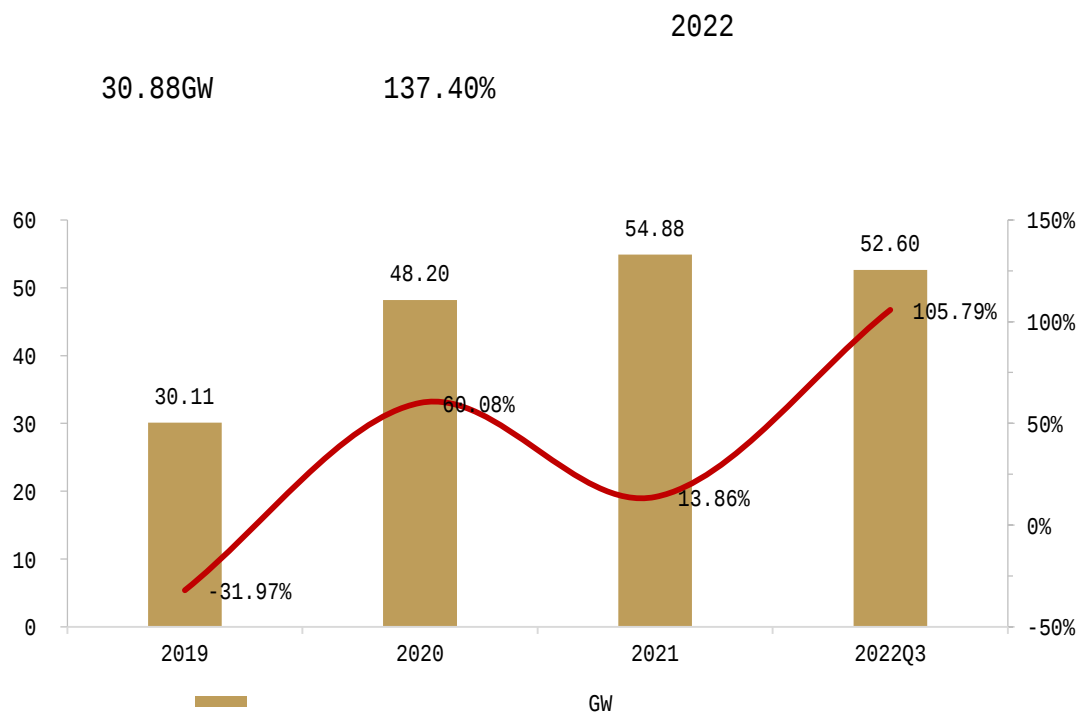
382,671.42 517,936.41 727,837.96

1,511,162.20 23.90%

86.47% 84.08%

80.68% 70.30%

2.



2022

2022 1-10

1,574

326.7%

3.

“ ”

2021

170GW

30.8%

2021

8-2-71

89.64%

2021

(1)

52.00 47.75
18.39% 14.68%

74.79 133.40
19.86% 26.22% 2021 2022 1-9

(2)

72.66 95.21 100.60 87.19

25.69% 29.27%

26.71% 17.13% 2021

2020

2022 4

(3)

75.50 100.76

66.12

36.76

26.69% 30.98% 17.55% 7.22% 2021

201

(4)

2020 8

101

“ ”

44.41

29.74

62.34

100.39

15.70% 9.14% 16.55% 19.73% 2021 2022 1-9

4.

2022 5

“ ” REPowerEU Plan

2030

40%

45%

“ 55% ”

Fit for 55

2,100

SPE

8

8-2-73

		2030		672GW	1,000GW	
90-100GW	2022	7		2022		2050
				Net Zero Australia		
		2050				1.9
	2022	8		3,690		
Wood Mackenzie						
66%	2030		70GW			
					CIPA SIEA JPEA	
Bloomberg						
2022	-2023			250GW	350GW	

/

Repower EU

2022 1-9

2,006,384.72

78.30%

(2)

“

”

120

160

2021

201

26.69% 30.98% 17.55% 7.22% 2022 4

3.74%

5.14% 13.74% 5.71%

70%

2,445,682.05

2,734,582.32

3,038,474.70

3,577,329.90

32.43% 11.81% 11.11%

78.30%

(3)

/

2021

	77.4	415.1GW	423.5GW	465.2GW
	80.5%	98.1%	85.1%	77.2%

	64.2	232.9GW	223.9GW	220.8GW
	78.8%	97.3%	88.4%	82.3%
2021 - 2022				

()

1.

“ ” 2018 5 31
2018
2018 823 “ 5 . 31 ” “ 5 . 31
” “ ”

2.

PERC TOPCon

“ ”

()

	2022 1-9	2021	2020	2019
A	3,584,541.66	3,058,264.36	2,740,297.89	2,447,100.23
B	3,310,895.85	2,543,126.94	1,955,906.15	1,885,770.33
C	2,884,195.47	2,471,823.22	1,960,802.64	1,838,731.40
D	373,063.48	316,377.74	242,144.95	265,417.81
E=D/C	12.93%	12.80%	12.35%	14.43%
F=A-B	273,645.81	515,137.42	784,391.74	561,329.90
	22,894.93	328,606.49	695,088.92	549,500.68
	177,572.09	84,707.62	37,714.39	37,232.72
	73,178.79	101,823.31	51,588.43	-25,403.50

1

2

13% 2019 16% 13%

(1)

1)

2)

(2)

FOB CIF DDP

FOB

CIF DDP

FOB

2020

(3)

()

1.

(1)

(2)

(3)

2.

(1)

(2)

(3)

(4)

“ ”

“ ”

(5)

4.3

1

79.94% 75.24%

81.40% 76.06%

2

2,937,314.35

2,393,576.82

323,880(%) 12 1 0 0 1 355517 550.39 110.34286 81.40%

1.

2.

IPO

	GDR	2022	261.53
		2021	70.00
		2019	50.00
		2018	38.75
			420.28
		2022	88.65
		2021	52.52
		2019	25.31
			166.48
		2022	

	1	127.72
	43.84% 1	
1-3		21.88%
	3	99.86
	34.28%	

2.

23.97

127.72

(2)

	2022 9 30					
		2023 10 1 -2024 9 30 1-2	2024 10 1 -2025 9 30 2-3	2025 10 1 -2026 9 30 3-4	2026 10 1 -2027 9 30 4-5	2027 10 1 5
	329,481.29	139,359.79	86,732.33	74,469.06	13,636.87	15,283.23
	54,376.84	26,594.45	6,383.69	6,201.12	6,268.75	4,490.54
	1,252,207.34	186,537.25	191,849.69	312,694.17	385,624.29	175,501.93
	1,636,065.47	352,491.49	284,965.71	393,364.36	405,52983.11	

	265.44	
153.42		82.02
	30.00	
		252.27

		104.54		127.72	100.62%
		23.97			
		128.51		127.72	
		153.42		163.61	105.22%
		82.02		52.30	
		30.00		36.36	
		265.44		252.27	
		393.95		379.99	103.67%
1,600.00					

	393.95
379.99	

()

1.

	2022-09-30/ 2022 1-9	2021-12-31/ 2021	2020-12-31/ 2020	2019-12-31/ 2019
	1,238,477.31	738,220.77	763,378.05	608,724.53
	13.88	1.70	1.68	2.38
	1,238,463.43	738,219.07	763,376.37	608,722.15
	1,401,516.07	1,102,657.60	839,495.01	745,429.08
	1,058,352.92	625,648.57	478,917.28	377,103.89
	254,795.73	147,064.99	170,848.26	220,162.22
	29,994.00	233,050.55	159,845.80	74,720.87
	45,738.29	96,583.39	6,693.74	70,153.03
	12,635.13	310.10	23,189.93	3,289.07
	2,639,993.38	1,840,878.37	1,602,873.06	1,354,153.61
	5,277,172.44	4,056,961.83	3,365,955.42	2,948,957.62
/	17.60%	18.20%	22.68%	20.64%
	19.92%	27.18%	24.94%	25.28%
	4,392,806.83	2,781,298.08	2,489,569.52	2,483,410.38
/	21.14%	26.54%	30.66%	

2)

N TOPCon

3.

4.

(1)

1,372,884.73

1,593,613.95

2,564,494.37

2,913,216.28

60,836.36

	2022-09-30/ 2022 1-9	2021-12-31/ 2021	2020-12-31/ 2020	2019-12-31/ 2019
	1,118,908.17	1,168,997.30	727,703.58	810,730.68
	158,242.63	170,070.56	82,514.02	81,524.45
	9,002.66	19,081.51	12,330.67	20,688.09
	125,787.21	141,245.42	70,183.36	60,836.36
	23,452.76	9,743.63		
-		10,000.00		

			2020-12-31/ 2020	2019-12-31/ 2019
I		2,913,216.28	2,564,494.37	1,593,577.67
-		84,741.49	84,198.71	69,753.37
-			6,000.00	6,176.23
		84,741.49	90,198.71	75,929.60
	[1]	2,738,855.33	2,079,036.02	1,483,231.20
	[2]	4.13%	4.34%	5.12%

[1]

=

+

/2

[2]2022

1-9

4.23%

5.12%

4.34%

4.13%

()

1.

(1) 4.3

1)

2)

3)

4)

5)

(2)

1)

2)

2019 2020 2021

	2021	2020	2019
	4,056,961.83	3,365,955.42	2,948,957.62
	2,219,382.18	2,423,965.80	2,355,691.24
	54.71%	72.01%	79.88%
	2,032,920.49	2,383,177.03	2,286,078.35
	50.11%	70.80%	77.52%
	3,239,884.38	2,581,575.53	2,075,222.73
	2,188,531.05	2,114,052.20	1,606,014.87
	67.55%	81.89%	77.39%

	1,966,506.83	2,091,587.18	1,581,171.51
	60.70%		

2

18,788.80 2,083.33 3,307.89 12,500.83

1

2

6

6
()

1.

(1)
1)

			2022 1-9	2021	2020	2019
1		1]		146,289.42	90,245.63	57,151.05

2
[2]

			2022 1-9	2021	2020	2019
6	[4]			530.98	3,378.15	4,974.75
7	[5]		1,725.84	772.49	308.77	302.68
8			10.07	13.43	4.48	
9				1.60		
10						2.59
11			21,815.92			
-		-	46,890.35	156,781.64	148,678.37	102,010.91

1	[6]			3,015.77		
2			24,328.76	2,709.90	248.07	2,512.91
3				4.81	26.55	44.88
4				9.20		
5					10.36	20.17
6					4.60	
7					2.94	
8	[7]				50.45	87.16
			24,328.76	5,739.69	342.97	2,665.12

[1]2019

1,508.81 2020

2,512.24 2020

10,814.55

LONGGEN ZHANG

2014

2020

12 JinkoSolar Holding Co., Ltd.

2022

[2] 2021 9

[3]

[4] 2022 1

[5]

[6]

2020

11 2021 12

[7]

100.00

A

PV Infolink	PVInsights	Energy Trend
	2019	2020 2021
	6.90%	1.49% -8.65%

2019	2020
9.48%	-16.18%
	-2.58%

-0.89% 2020

2019	2020	2021	2022	1-9
------	------	------	------	-----

-4.42%	-4.79%	-12.08%	-4.15%	2021
--------	--------	---------	--------	------

2019	2020	2022	1-9
------	------	------	-----

7.01%

4.24% -3.22%

/
/

10%-20%

/

2021 6

2022 9

PV Infolink

PVInsights Energy Trend

2022 9

1.82%

EPC

A.

18%

EPC 15%

EPC

B.

0.01 /W

3)

			2022 1-9	2021	2020	2019
1	[1]			72.58	217.73	217.73
2	[2]		368.77	327.79		

1					110.03	110.03
2				110.03		

[1]

99

5-6

2,016

2017 1

1

217.73

2021 4

[2]

1466

1

6-7

4,138.78

2025

4

30

409,739.22

[3]

/

[4]

E3-9-1

45

15,282.02

110.03

“

”

2020

12

110.03

99

2.5 / / -4 / /

3 / /

2021 5

1466 1

3.0 / / -4.0 / /

3.3 / /

/

/

()1(1)1)

E3-9-1

45

15,282.02

110.03

2020 12

110.03

4)

	2022 1-9	2021	2020	2019
	1,464.51	2,921.84	3,219.73	3,996.35

10 / /

(2)

1)

()1.(2)2

C.
Corporation

Toyo Engineering

11,850,748.46 2022 9

D.
CONSTRUCTORS, LLC NEXTERA ENERGY RESOURCES, LLC

NEXTERA ENERGY

2021 1 27

35

1

2022 9

24,852.00

2)

2016

11

0.8%

5.00

2019 10 2023

10

2019

1,000.00

2.00%

3)

2020

1.04

4)

1		3,000.00	2019-08-30	12	
2		1,000.00	2019-09-02	2021 1	5.20%
3		1,500.00	2019-06-11		
4		5,000.00	2021-01-12	24 2021 12	3.34188%
5		2,000.00	2021-01-22	36 2022 1	3.00%
6		2,500.00	2021-01-27		
7		1,500.00	2021-03-10	36 2022 2	3.34188%
8		10,000.00	2021-05-06	12 2022 4	3.50%
9		1,000.00	2021-06-30	12 2022 6	2.50%
1		450.00	2016-06-29	2019 7	3.00%
2		450.00	2016-08-05		
3		2,000.00	2019-02-15	2020 12	4.35%
4		6,833.14	2019-03-27	2020 12 2021 6	4.35%
2019 12					

2019 5 8,500

2024 6 4.5%

3,000 1,875,000

ADS 5,500 2019

5,500 (WSJ Prime

Rate) 2019 6 11 5.50% 2019 8 30 2019 9 2 5.25%

5.2%

2021 1 1,494,068 ADS

9,825 2021

2021 2021

3.22%

(WSJ Prime Rate) 2021 3.25%

6.25%

2021 9 “ 60

” 2014

() 2,000.00 3

3%

900.00

3%

8,833.14

250MW

2020 8 31

2020 8 31

1

1

6)

2020 7 8

1			()28.67%	20,838.00
2			()100.00%	1,540.00
3			100.00%	1,010.00
4			25.00%	62,150.00
5			25.2101%	48,300.00
6			JinkoSolar Comércio Do Brasil Ltda()1.07%	1,320.00
7		JinkoSolar Middle East DMCC()	JinkoSolar (Switzerland) AG 100.00%	178.80
8			JinkoSolar Trading Private Limited.99.99%	99,990.00
9			Jinko Solar Japan K.K.()100.00%	630.10
10			Jinko Solar Korea Co., Ltd. 100.00%	2.04
11			JinkoSolar (Vietnam) Co., Ltd.100.00%	40.00
12			JinkoSolar Mexico S.DE R.L. DE C.V. 0.000158%	1.00

13			JinkoSolar Enerji Teknolojileri Anonlm Sirketi 100.00%	5.00

8 2021 1,951.35 2022 1

8)

1		15,000.00	2018-09-14	2020-02-27	5.22%
2		15,000.00	2020-02-28	2020-12-24	4.15%
3		10,000.00	2019-09-17	2020-07-22	5.22%
4		9,900.00	2018-10-17	2019-09-16	5.22%
5		6,000.00	2018-09-14	2019-08-20	5.22%
6		6,000.00	2019-08-27	2020-07-13	5.22%

9)

2019 2020 2021 2022 1-9

 329.12 2,749.64 749.96 857.88

10)

 2021 2022 1-9

 3.69 5.12

2021 2022 1-9

 145.42 264.20

 0 11.55

(3)

1)

2019	2020		
		227,441.11	151,955.71
116,956.20		51,180.07	

2019	2020
------	------

		2022 1-9	2021	2020	2019
[1]		17,674.38	3,307.89	2,083.33	18,788.80
				2,435.48	27.34
				744.09	
				6.42	
2]			1.56	964.38	33.66
	[9...	24.25	47.67		

10.2 / 741.744

www.landchina.com 2019 1 1 2021 6
30 6.40 /
-15.60 /

2013

2.

2022 1-9 2021

		2022 1-9	2021	2020	2019
		5,277,172.44	4,056,961.83	3,365,955.42	2,948,957.62
		0.47%	0.15%	0.02%	0.10%
					106,524.40

152,008.13

159,813.51

48,354.86

4.51%

5.31%

4.55%

1.02%

2,882.85

560.70

6,140.06

24,697.53

0.10%

0.02%

0.15%

0.47%

()

1.

11GW

8

8GW20GW10GW

N

11GW20GW10GW

8

8GW

,

()

2019-2021 2022 1-9
4.51% 5.31% 4.55% 1.02%

0.13>989E166B41D1 0 1 .24 501.07 Tm[22524.47 Tm[0ABC} TJETBT/F2 122 .24 5

“

/

/

/

/

/

/

/

/

()

1.

6

(1)

(2)

(3)

(4)

(5)

(6)

(7)

2.

6

(1)

(2)

(3)

			1	2022	6	30		4,165.64
				41,910.11			10.00	2
2022	6	30			2			

15

7

()

1.

15

(1)

(2)

(3)

30%

(4)

(5) 28

2.

2022 7 28

2022

2022 8 26

2022

2022 1 28

(1)

(2)

(3)

(4)

(5)

(6)

1	USD	44,000.00	79,247.77	55.52%
2	EUR	13,000.00	24,581.73	52.88%

55.52% 52.88%

2.

2022 9

12,996.01

1		11,716.00
2		1,280.01
		12,996.01

3.

2022 9

10.00

2010

“ ”

10.00

4.

2022 9

85,795.70

1		38,046.35
2		30,470.13
3		14,512.13
4		1,486.53
5		506.08
6		479.24
7		295.24
		85,795.70

5.

2022 9

161,826.37

7.

2022 9

54,067.28

	2022 9		
	34,624.43		
	19,442.85		
	54,067.28	-	-

(1)

2021 8

2022 9

2022 10

4.92

2023 1

2030 12

33.60

2022 9

2026 12

38.28

(2)

2021 12

10

2022 10

2022

(4)

2.

(1)

(2)

8.1

1

2

8 1

()

“

1

2

3

"

0

1,000,000.00

1,000,000.00

2022 9

30

2,544,089.91

39.31%

50%

50%

()

Wind

2021

1

1

2022

9

30

23

	0.36%	0.50%	0.20%
	0.56%	0.70%	0.40%
	1.03%	1.20%	0.60%
	1.68%	2.60%	1.20%
	2.22%	3.40%	1.60%
	2.60%	3.50%	2.00%
1,000,000.00			

	3,565.22	5,000.00	2,000.00
	5,608.70	7,000.00	4,000.00
	10,260.87	12,000.00	6,000.00
	16,782.61	26,000.00	12,000.00
	22,173.91	34,000.00	16,000.00
	26,000.00	35,000.00	20,000.00
	84,391.30	119,000.00	60,000.00

	14,065.22	19,833.33	10,000.00

	2022 1-9	2021	2020	2019
	167,596.38	114,140.99	104,156.17	138,081.32
	226,138.31	322,874.71	250,786.91	246,423.16
	-911,243.92	-913,065.14	-386,681.66	-390,457.67
	1,165,016.77	568,363.55	290,843.12	458,925.99

综上所述，本次向不特定对象发行可转债拟募集资金总额不超过人民币 1,000,000,000.00 万元（含 1,000,000,000.00 万元），并将在 2021 年 9 月 30 日期间科创型企业向不特定对象发行可转债的利率水平、最近三年公司的盈利水平及现金流量水平和银行授信情况，公司预计有足够的现金流支付公司债券的本息。

（三）核查情况

1. 核查程序

可融资业务若干问题解答（2020 年 6 月修订）》的相关规定；

(1) 查阅了《

《科创板上市公司证券发行注册管理办法（试行）》的相关规定；

(2) 查阅了《