

.....	1—9
.....	9—48
.....	48—104
.....	104—129
.....	129—138
.....	138—141

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

()

1 —

1 5.4.1

1

2

--	--	--	--	--	--	--	--

4

345,210.74 115,800.00 99,979.68 15,820.32 86.34%

(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

TOPCon

2022

N

5

141

8-2-5

N

N

N

N

(3)

N

N

N

N TOPCon

N

(4)

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	100.00
		2021	50.00
		2020	52.00
			202.00

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		1,000,000.00	“
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
1		13,920.00	3,520.00	4,899.84
2		3,760.00	2,310.00	868.56
3		736.00	2,970.00	218.59
4	TMA	108.90	2,970.00	32.34
5		294.00	2,970.00	87.32
6		726.00	2,970.00	215.62
7		1,914.00	2,970.00	568.46
8		21,813.48	3,960.00	8,638.14
9		10,000.00	3,630.00	3,630.00
10		6,963.00	3,630.00	2,527.57
11		5,192.00	-	924.44
-		65,427.38	-	22,610.88

4	110KV	4,200.00	1,980.00	831.60
5		-	-	4,874.36
-		-	-	6,770.06
-		-	-	99,040.94

2)

309,664.02

/

1		39,452.00
2		9,564.00
3		136,166.00
4		25,488.00
5		14,400.00
6		4,301.00
7		1,580.00
1		8,981.72
1		16,600.00
2		3,600.00
3		3,000.00
4		3,500.00
5		7,170.00
6		3,500.00
7		26,340.00
1	IT /	1,021.30
2		5,000.00
		309,664.02

(2)

1)

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

6 15,756.00



GW					

0.49~2.16

/GW

1.21

/GW

1.17

/GW

2)

2,336 /

()

28,309.01

/GW

GW

					1GW
	2022	11GW	11	311,399.06	28,309.01

23,071.27~45,000.00 /GW

-		257,902.58		12,522.64

2)

60,311.91

/

1		14,670.00

2

			/
2		150,851.08	150,851.08 8GW N 172,040.00

2)

710 /

7,647.28 /GW

GW					
					1GW
	2019	3GW	3	42,766.00	14,255.33
	2020	10GW	10	91,033.61	9,103.36
	2022	5GW	5	44,103.66	8,820.73
					8,820.73~14,255.33
					10,726.48
	2022	8	8	61,178.21	7,647.28
	2022	8GW	8	61,178.21	7,647.28

8,820.73~14,255.33 /GW 10,726.48 /GW
7,647.28 /GW

9

3. 8GW

(1)

1.1		65,111.84	82.69%	60,000.00
1.1.1		61,178.21	77.69%	60,000.00
1.1.1.1		-	-	-
1.1.1.2		61,178.21	77.69%	60,000.00
1.1.2		3,311.79	4.21%	-
1.1.3		621.85	0.79%	-
1.2		13,634.29	17.31%	-
		78,746.13	100.00%	60,000.00

1)

2)

8GW “ 8 ”

60,311.91

/

()2.(1)2)

(2)

1)

			/
1		102,223.09	1.28 /GW 8GW N 1.18 /GW
2		153,924.98	153,924.98 8GW N 172,040.00

2)

8GW

“ 8

”

710 /

()2.(2)2)

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%	-
		202,748.09	100.00%	160,000.00

1)

46,335.59

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	(“ 20GW
2	PMC	25,912.10	20GW 0.13 / 0	22,389.17 /

				GW	
	2022	35GW	35	336,000.00	0.96
	2021	15GW	15		
	2020	10GW	10		
TCL	2021	50GW G12	50		
	2022	20GW 10GW	10	70,393.52	0.70

0.70 /GW
20GW

2)

1,596 /

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	15GW	15	210,864.00	14,057.60
	2020	10GW	10	180,512.00	18,051.20
TCL	2021	50GW G12	50	872,705.10	17,454.10
					14,057.60~18,051.20
					16,173.93
	2022	20GW 10GW	10	120,304.87	12,030.49

14,057.60~18,051.20

/GW

16,173.93

/GW

12,030.49

/GW

()

30%

1.

(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	

1.1.2		931.20	0.46%	-	-
1.1.3		5,015.15	2.47%	-	-
1.2		30,161.29	14.88%	-	-
		202,748.09	100.00%	160,000.00	

2.

300,000.00

“

” 300,000.00

30.00% 30%

()

1.

(1)

2022 9 264.00 130.40
19.30 133.60

26.59% 23.82%

(2)

1 2
/
3 4

1)

			=2024
	-2021		=
-			
	2019	-2021	17.29%
		2022	527.72
117.40%		1-9	



		2022E	2023E	2024E
	4.94%	347,326.85	407,384.55	477,827.07
	7.14%	502,153.55	588,982.97	690,826.41
= -	11.93%	839,213.07	984,324.82	1,154,528.43
		207,653.22	145,111.75	170,203.61
		522,968.58		
2022-2024		52.30		

2) /

809,180.64

700,000.00

10.92

3)

1		74,978.81	50,000.00	24,978.81
2		345,210.74	115,800.00	229,410.74
		420,189.55	165,800.00	254,389.55

50,000.00

115,800.00

24,978.81

229,410.74

25.44

4)

2022 9

111.89

32.95

15.82

160.66

	2022-09-30	2021-12-31	2020-12-31	2019-12-31
	69.79%	71.41%	65.56%	65.00%
	63.37%	70.65%	60.21%	70.92%
	75.35%	66.44%	64.43%	48.34%
	60.12%	51.31%	59.38%	52.29%
	67.16%	64.95%	62.40%	59.14%
	77.05%	81.40%	75.24%	79.94%



N 2022 N
 PERC P 0.15 /W N
 P 0.05 /W N
 P PV Infolink P
 0.05 /W

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

/W

/

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 /

20

10%

6

10%

5

	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%

0.05%

2%

N

3%



2. 8

(1)

11 9 10 3
1 15% 2 100%

1)

= ×
N N
2022 N PERC P 0.15
/W N P 0.02 /W(N
N P 0.02 /W
“ 11GW ” N 0.05 /W 2022
N P 0.15 /W , N
N

N N
2022 1-9
N TOPCon P 0.2 /W
N 0.15 /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

	T+1	T+2	T+3	T+4	T+5~T+11
GW	1.22	8.11	8.11	8.11	8.11

				/W
2022 1-9	1.79	-	1.85	1.81
2021	1.69	1.57	1.63	1.64
2020	1.74	1.57	1.66	1.62

2020 -2021 1-6

2020 -2022

1-9

2020 -2022 1-6

1.56 /W 1.34 /W

2)

(

11GW

)

PV Infolink

P

0.05 /W N

	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%

0.93%

1.5% N

3%

3)

13%

7%

5%

25%

4)

	1,101,194.53
	17,115.87
	18.92%
	5.81

(2)

	2020	10GW	17.56%	6.14	14.53%
	2019	3GW	18.85%	5.71	

PVInfoLink

1

1.56 /W(2022 1-6 1.77 /W 12

N

N

) (2)

1.34 /W
2020

3

3.

8GW

(1)

8GW

“ 8

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11

9

10

3

1

15%

2

100%

1)

= ×

N

N

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
2022 1-9	1.79	-	1.85	1.81
2021	1.69	1.57	1.63	1.64
2020	1.74	1.57	1.66	1.62

2020 -2021 1-6

2020 -2022

1-9

2020 -2022 1-6

1.56 /W 1.34 /W

2)

(

11GW
)

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 1-6

2019 -2022 1-3

25 / 12 /

10 10% 6 10%
5

“ 8GW ”

()2.(2)

4. 20GW 10GW

			/
2022 1-9	220.26	50-270	
2021	158.41		
2020	61.17		
2020			2020
-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%

0.5%

1%

0.5%

3)

13%

7%

5%

15%

4)

	424,258.87
	58,736.96
	22.68%
	5.65

(2)

(1)

(2)

300,000.00

30%

30%

4

(3)

(4)

(5)

22

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

1 201

2 = - /

-

3 = - -

/

1)

2020

2019

2020

EVA

58.37 / 61.17 /

158.41 / 220.26 /

2021 2022 1-9

2)

/

	2022 1-9		2021		2020		2019	
	5,088,492.10	100.00%	3,766,312.66	100.00%	3,252,518.73	100.00%	2,828,353.47	100.00%
	1,511,162.20	29.70%	727,837.96	19.32%	517,936.41	15.92%	382,671.42	13.53%
	3,577,329.90	70.30%	3,038,474.70	80.68%	2,734,582.32	84.08%	2,445,682.05	86.47%
	1.79		1.69		1.73		1.99	
	1.63		1.60		1.40		1.59	
	1.86		1.72		1.81		2.08	

1.99 / 1.73 / 1.69

/ 1.79 / 2020 2021

2022 1-9

3

2020-2021 2022 1-9
0.08 / 0.09 / 0.13 /

2.

	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%
	-	10.30%	12.98%	17.53%
	10.40%	13.40%	15.08%	19.99%

[1] 2019 2020

“ ” 2021 2021

“ ” 2022 /

	2021-12-20	20 /	20.00
	2021-05-11	25 20 /	25.00
	2021-03-01	10	10.00
	2021-08-08	4	4.00
			128.50

2021-2022 2022

108.8 2021 62.3 74.64%

2022 2023

2020

/

Wind

926GW

2022 1-

N TOPCon

2) 2021

(

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(

)

3)

2023 1

2030 12

33.60

2022 9

2026 12

38.28

Wacker

4)

5)

6)

TOPCon

N P

N

N

	2021	
	2022	

„ „ 2021 2020 2019 2021

	2022 1-9	2021	2020	2019
	377,353.56	201,653.94	146,055.34	128,827.28
	5,185,592.52	3,935,226.06	3,319,014.48	2,929,439.37
	7.28%	5.12%	4.40%	4.40%

2019

2020

/

2022 1-9 2021 2020

		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				

6		A		41,695.69	5.78%	1	
7		A		35,092.48	4.86%	1	
8							

”

201

22.74% 22.60% 20.18% 17.22%

”

()

896,846.14

687,910.62 607,604.57 684,285.69
30.41% 20.44% 14.98% 12.97%

1

2

3

N

4

“

”

120

2020	1	NEXTERA ENERGY, INC.	18.49	5.49%				2018 NextEra 1.75GW 2020 0.5GW Southfork, Echo River 2021
	2	CONSOLIDATED EDISON DEVELOPMENT, INC.	17.15	5.09%	2016	1997 CECONY O R		CONSOLIDATED EDISON 470MW Safe Harbor Crane 2021
	3	SPOWER, LLC	12.68	3.77%				2018 Spower 1.5GW 2020 600MW Geer Road, PLNM 2021
	4	Ene1	11.11	3.30%				

	5	TRUNG NAM CONSTRUCTION INVESTMENT CORP.	9.36	2.78%	2014	1,500	2004 17 15	611MW 2021

1

Adani Green
Energy Ltd.

18.76

2021

67 141

8-2-67

	3		11.98	2.27%	2017			500MW 100MW
	4		10.63	2.01%				70MW 100MW
	5	VALE S.A.	10.37	1.97%	2021	VALE VALE 11 30		SoldoCerrado766MW

	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%	18.55%	22.11%	18.19%~22.11%
	-	13.80%	18.28%	18.65%	9.05%~60.00%
	12.97%	14.98%	20.44%	30.41%	12.97%~30.41%

1

2

2022 1-6

()

640,280.78

819,071.32

1,113,212.30

2,604,696.88

	2022-09-30	2021-12-31	2020-12-31	2019-12-31
	2,405,144.71	1,003,994.38	784,365.71	565,839.32
	1,085,511.72	453,469.07	153,436.61	58,475.95
	491,862.99	171,199.26	204,875.00	158,409.87
	208,312.28	96,088.94	119,254.45	87,412.05
	619,457.72	283,237.11	306,799.65	261,541.46
	199,552.18	109,217.93	34,705.61	74,441.46

2021

				186,103.92	29.07%

2021

()

1.

(1)

(2)

(3)

(4)

(5)

2.

(1)

,

()

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%		

|

2022

30.88GW

137.40%

2022

2022 1-10

1,574

326.7%

2021

(1)

					52.00	47.75
	74.79	133.40				18.39% 14.68%
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)

75 141

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
2030 672GW 1,000GW
76 141

/

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%

78

141

8-2-78

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

	78.8%	97.3%	88.4%	82.3%
2021 -2022				

78149.78 554.62 0.48 0.47998

		PVA TePla Ferrotec	Radyne
	/	Meyer Burger NTC Schmid	Rena

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

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	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)

2)

(2)

FOB

CIF

DDP

FOB

CIF

DDP

FOB

CIF

DDP

	2022 1-9	2021	2020	2019
	377,353.56	201,653.94	146,055.34	128,827.28
	86,316.11	44,387.96	35,236.93	36,059.87
	291,037.45	157,265.98	110,818.41	92,767.41
CIF DDP ()	177,572.09	84,707.62	37,714.39	37,232.72

2022 1-9

2021

2022 1-9

207.69

2021 122.09

70.11%

CIF

DDP

2022 1-9

0.13

2021

0.09

51.72%

(3)

4.3

1

79.94% 75.24%

81.40% 76.06%

2

2,937,314.35

2,393,576.82

30.88%

1

2

3

1 4.1-4.3

2

()

	2022-09-30	2021-12-31	2020-12-31	2019-12-31
	69.79%	71.41%	65.56%	65.00%
	63.37%	70.65%	60.21%	70.92%
	75.35%	66.44%	64.43%	48.34%
	60.12%	51.31%	59.38%	52.29%
	67.16%	64.95%	62.40%	59.14%
	77.05%	81.40%	75.24%	79.94%

Wind

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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	100.00
		2021	50.00
		2020	52.00
			202.00

1

2

GDR

A

606,533,086

2022 9 30

47.91 / 90%

261.53

3.

A

2022-09-30/2022			1-9	2021-12-31/2021			2020-12-31/2020			2019-12-31/2019		
A	B	A/B		A	B	A/B	A	B	A/B	A	B	A/B
33.68	870.35	3.87%		55.25	809.32							

2022-09-30/2022 1-9

2021-12-31/2021

2020-12-31/2020

2019-12-31/2019 t2uWDtttCUK

	1	127.72
	43.84% 1	
1-3		21.88%
	3	99.86
	34.28%	
2.	ố	ố $\hat{Y}$

3	8GW				
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23.97

127.72

(2)

	2022-09-30/ 2022 1-9	2021-12-31/ 2021	2020-12-31/ 2020	2019-12-31/ 2019
	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
	2,604,696.88	1,113,212.30	819,071.32	640,280.78
/	40.63%	56.20%	58.47%	58.90%

58.90% 58.47% 56.20% 40.63% 2019 2021

2022 1

2022 1-9

2)

2022 1-9

2022		6,315,724.59
2022		414,108.39
2022		289,579.06
2022	= + -	6,440,253.92
		100.94
		49.43
		70.83

	= + -	79.54
	=360 ÷	4.53
	= ÷	1,422,886.19

1 2022 2022 1-9

2

3

4 =360* /

5 =360* /

6 =360* /

2022



40

$$2 = + + -$$

4.

5.

(1)

	1,372,884.73	1,593,613.95	2,564,494.37	
2,913,216.28				
	2022-09-30/ 2022 1-9	2021-12-31/ 2021	2020-12-31/ 2020	2019-12-

		2022-09-30/ 2022 1-9	2021-12-31/ 2021	2020-12-31/ 2020	2019-12-31/ 2019
A	1	2,240,435.88	1,721,875.72		

(2)

1)

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%	81.02%	76.19%

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(1) 4.3

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IPO

A

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IPO

3)

4)

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(2)

	1			
102,010.91	148,678.37	156,781.64	9,187.20	
	2,665.12	342.97	5,739.69	14,458.60
		2		
18,788.80	2,083.33	3,307.89	12,500.83	
	1			
				2

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[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%

4.77% 6.89% -0.25%

OEM

2022 1

OEM

OEM

2019

2020

2021

7.01%

4.24% -3.22%

/

/

10%-20%

/

2021 6

2022 9

PV Infolink

PVInsights Energy Trend

2022 9

1.82%

2021

1

109

141

8-2-109

C.2022

2022 1-9

1

2022

JKM540M-72HL4-V/Silver/F35/A	2.39%
JKM550N-72HL4-V/Silver/F35/A	0.88%
JKM555N-72HL4-V/Silver/F35/A	-2.53%
JKM545M-72HL4-V/Silver/F35/A	0.48%
JKM540M-72HL4-BDVP/B	-3.44%

45.01%

2022 1-9

2) / /

110 141

8-2-110

				5	18% 250 /	2019 407.11
					2019 12	

2017

2017

/

2018 6 3
250MW

51%

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0.01 /W

3)

			2022 1-9	2021	2020	2019
1	[1]			72.58	217.73	217.73
2	[2]		368.77	327.79		
3			[3]			
4						
5						
6						
7						
8						
9						
10						
11						
12						

	[4]		2022 1-9	2021	2020	2019
1					110.03	110.03
2				110.03		

[1]

99

5-6

2,016

2017 1

1

217.73

2021 4

[2]

1466

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6-7

4,138.78

2025 4 30

409,739.22

112

141

8-2-112

E3-9-1

45

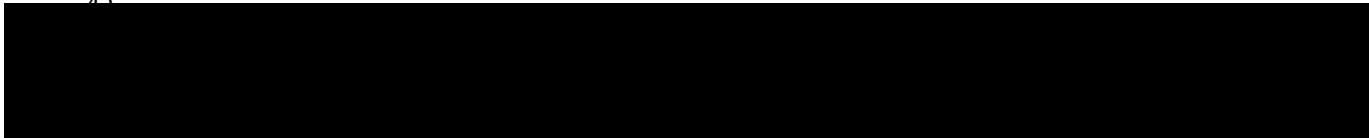
15,282.02

110.03

2020 12

110.03

4)



1,464.51

2,921.84

3,219.73

10 / /

2022 9

48.10

2.00

2020 8

2021 8

A.

NEXTERA ENERGY, INC.

NEXTERA ENERGY CONSTRUCTORS, LLC NEXTERA ENERGY RESOURCES LLC

2018 12 28

35

2022 9

5,000.00

B.

Glenrowan Sun Farm Pty Ltd.

32,242,200.40

2022 9

C.

Toyo Engineering

Corporation

11,850,748.46

2022 9

D. NEXTERA ENERGY
 CONSTRUCTORS, LLC NEXTERA ENERGY RESOURCES, LLC

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 2021 1	5.20%
2		1,000.00	2019-09-02		
3		1,500.00	2019-06-11		
4		5,000.00	2021-01-12	24 12 2021	3.34188%

6.25%

2021 9 “ 60

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() 2,000.00 3

3%

900.00

3%

8,833.14

250MW

5)

2020 7 31

2020 8 31

2020 8 31 1

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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

2020 11

2020 10 31

10,394,703.10

7)

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

121 141

8-2-121

2021

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101,155.07

130,969.29

30,802.79

588.59

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	2020			2019		
	A	B	A/B-1	A	B	A/B-1
	2.46	2.45	0.41%	2.81	2.58	8.91%
	0.86	0.95	-9.47%	1.58	1.55	1.94%
	4.76	4.41	7.94%	4.93	5.29	-6.81%

0.64% 0.06% 0.08% 0.33%

2020

2020

80.33 /KG

61.17 /KG

2020

2019 12 10

214.07

2015

308

72.72

10.2

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741.744

www.landchina.com

2019

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1

2021

6

30

6.40

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-15.60

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		2022 1-9	2021	2020	2019
1		48,354.86	159,813.51	152,008.13	106,524.40
		4,736,793.45	3,513,498.76	2,862,933.62	2,361,641.37
		1.02%	4.55%	5.31%	4.51%
2		24,697.53	6,140.06	560.70	2,882.85
		5,277,172.44	4,056,961.83	3,365,955.42	2,948,957.62
		0.47%	0.15%	0.02%	0.10%

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2.

6

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

15

7

128

141

()

1.

15

(1)

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30%

(4)

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28

2.

2022 7 28

2022

2022 8 26

2022

2022 1 28

(1)

129

141

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(3)

(4)

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1

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B			5,000.00	1.85%-2.25%	2022	9
T02LK180002						

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3.

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2022 9

1		7,285.83	
2		12,996.01	
3		10.00	
4		85,795.70	
5		161,826.37	
6		101,825.87	
7		54,067.28	
8		123,917.11	
		547,724.17	-

1.

2022 9

7,285.83

5,000.00

2,285.83

(1)

-		()	5,000.00	1.85%-2.25%	2022 9 30	
T02LK180002	B					
2022 10 10						25,167.50

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(2)

1		2,285.83
		2,285.83

55.52% 52.88%

3.

2022 9

10.00

2010

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10.00

5.

2022 9

161,826.37

1		155,753.85
2		5,904.39
3		168.13
		161,826.37

6.

2022 9

101,825.87

1		13,766.50
2		88,059.37
		101,825.87

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

(2)

2021 12

10

2022 10

2022

2022 9 2026 12

38.28

8.

2022 9

123,917.11

1		123,917.11
		123,917.11

()

1.

15

5

(1)

(2)

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()

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1,000,000.00

1,000,000.00

2022 9

30

2,544,089.91

39.31% 50%

50%
()

Wind
23

2021 1 1 2022 9 30

		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
	1,165,016.77	568,363.55	290,843.12	458,925.99

(1)

50%

(2)

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