

JinkoSolar Intellectual Property White Paper



JinkoSolar Intellectual Property Milestones

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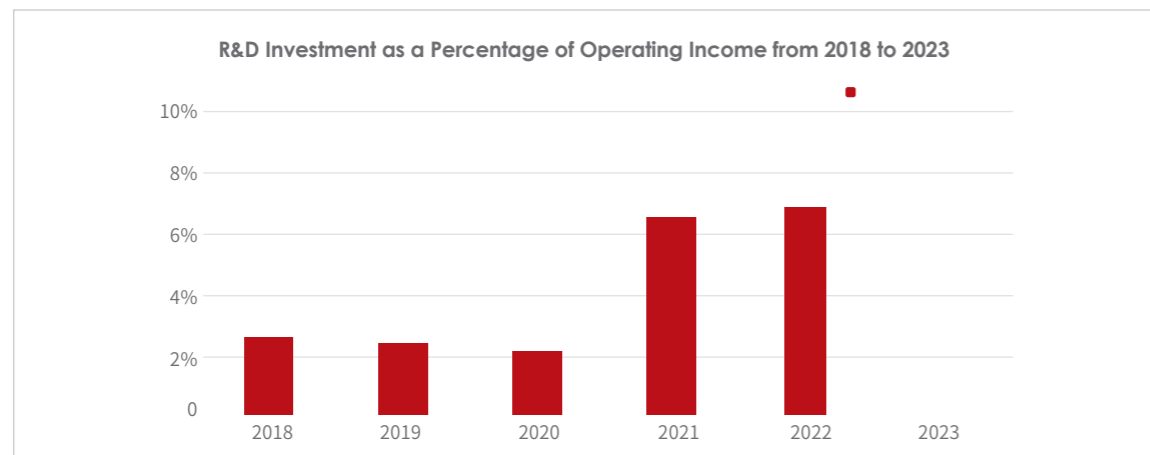
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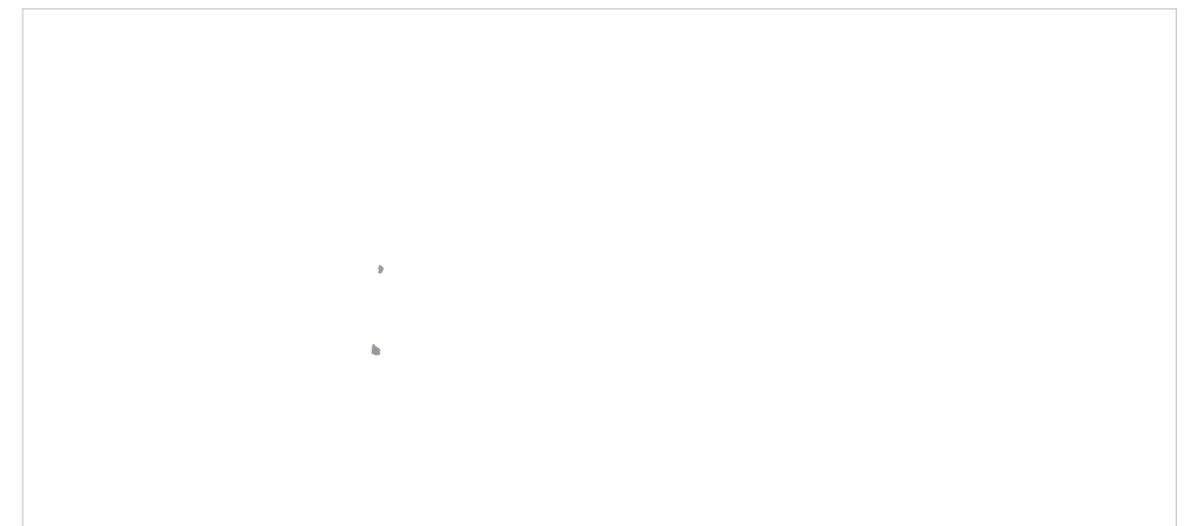
Preface

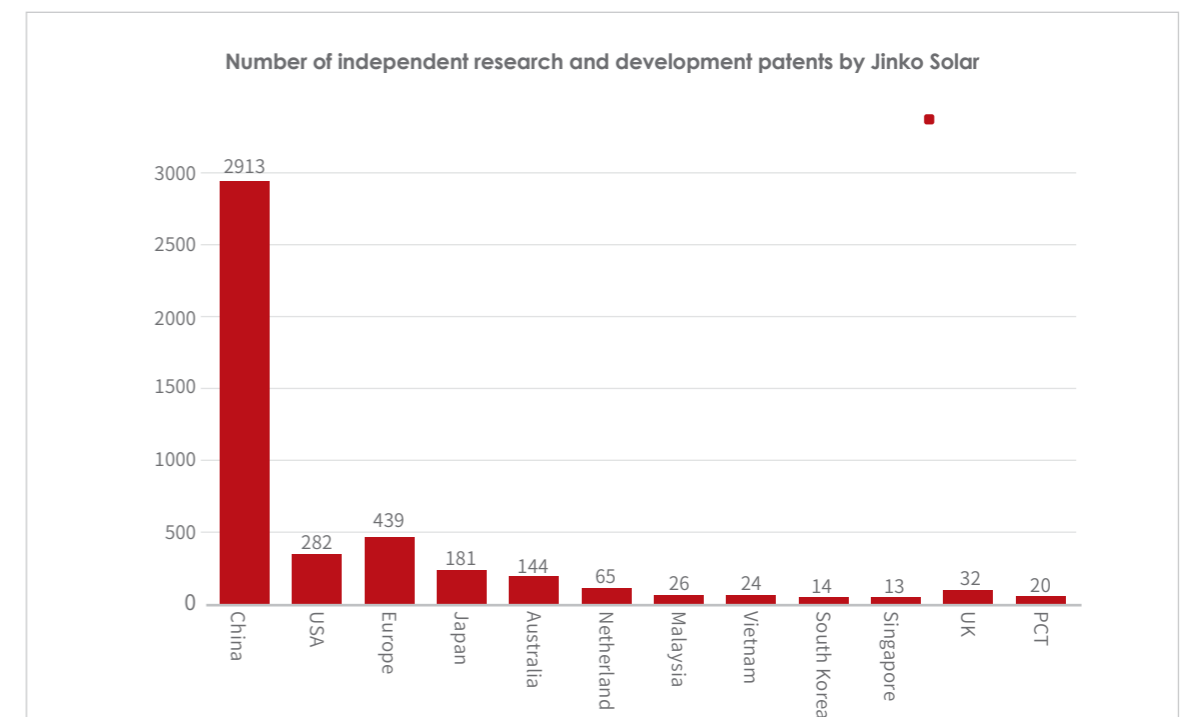
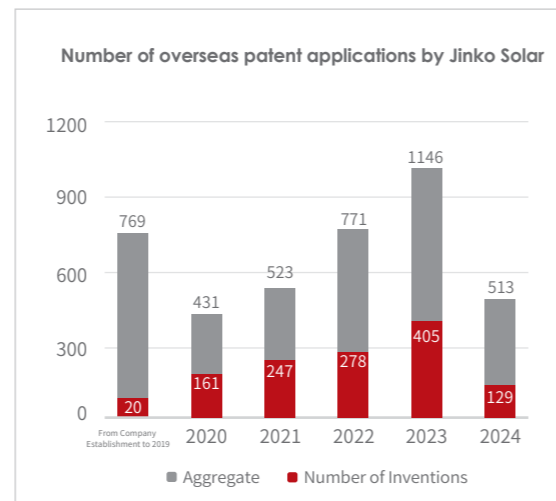
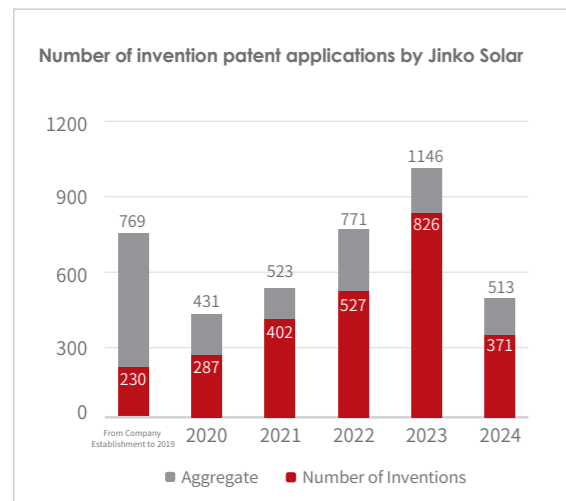
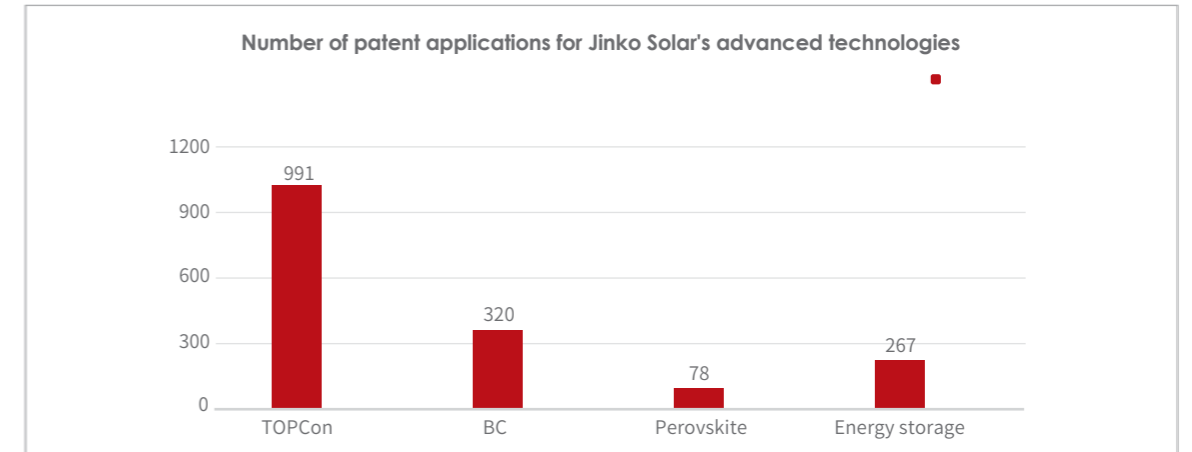
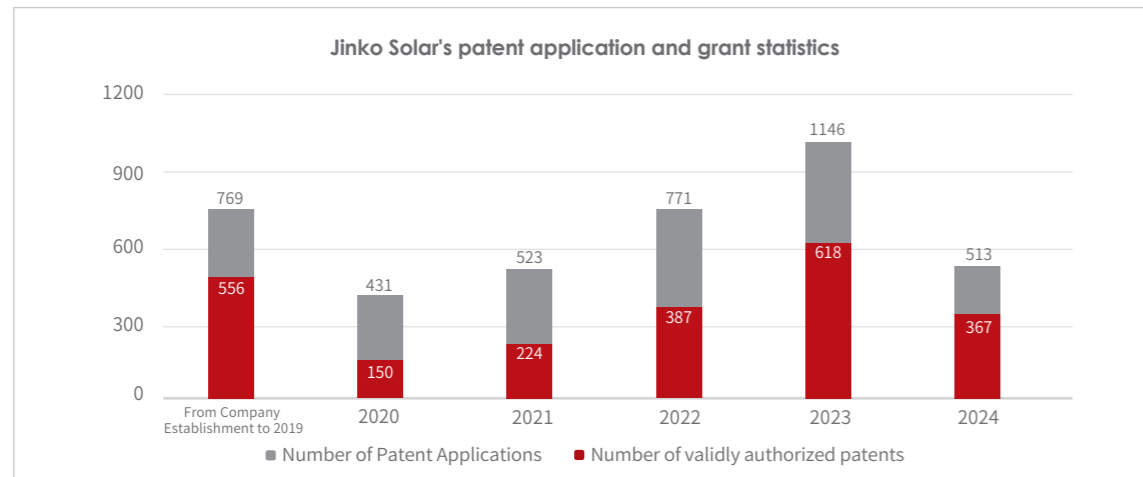
01 Industry-Leading Technological Innovation and Application

1.1 Leading R&D Investment, Global First in TOPCon and Other Leading Technologies



1.2 Globally Leading Patent Layout in Core Technologies





*BC is Back Contact , PCS is Power Conversion System

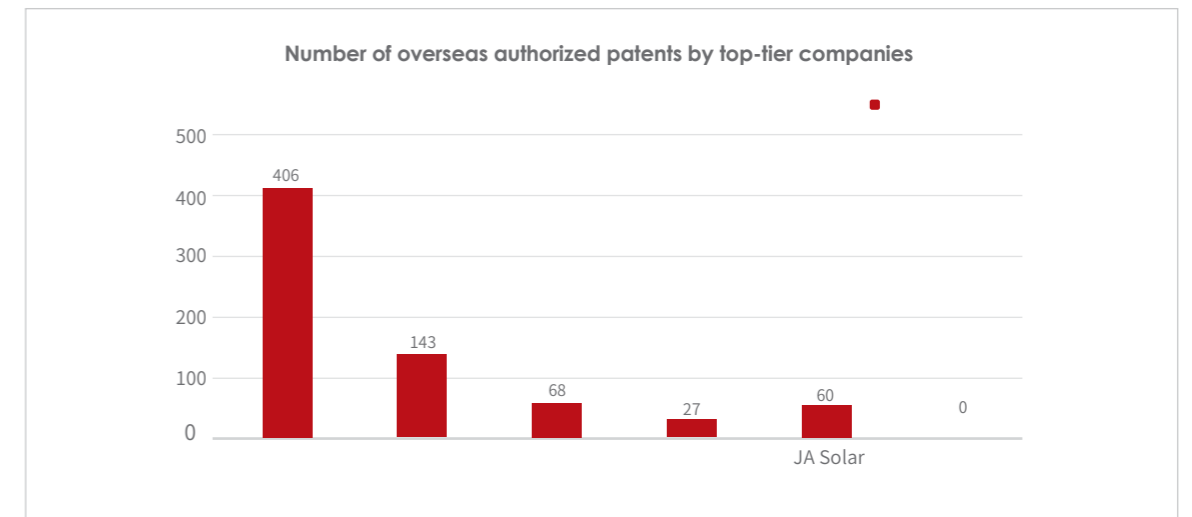
02 High-Value Patents Globally Leading, Consolidating Industry Leadership Position

IPR Daily Global Solar Cell Patent Rankings	
Applicant Companies	Number of Patents
LG	1360
Jinko Solar	1101
Aiko Solar	931
Canadian Solar	759
Panasonic	735
Samsung	719
LONGi	708
SONY	708
KANEKA CORPORATION	707
CEA	705
Chinese Academy of Sciences	693
MAXEON SOLAR	573
TOSHIBA	499
SunPower Corporation	484
Mitsubishi	473

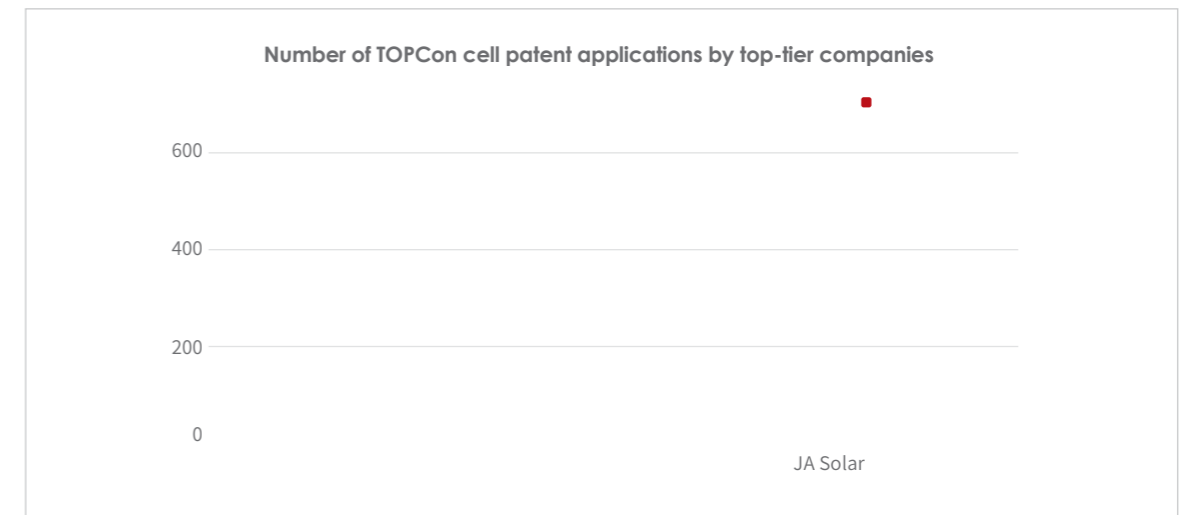
*2022 JinkoSolar has purchased the LG Group PV patent package.

Number of invention patent applications by top-tier companies	
Applicant Companies	Number of Patents
	2437
	2360
	2043
	1076
	944
	208

*Data source: Wisdom Sprout Patent Database, retrieval date: July 25, 2024



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03 Building an Intellectual Property Ecosystem

3.1 Open Platform & IP Ecosystem

3.2 IP Operation Center

3.3 Technology Output, Partner Empowerment

Summary
