



Supplier List

The Apple supplier list represents 98 percent of our direct spend for materials, manufacturing, and assembly of our products worldwide for fiscal year 2023.



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	3M	Guangdong, Jiangsu, Shanghai	China mainland
		Yamagata	Japan
		Singapore	Singapore
		Gyeonggi-Do, Jeollanam-Do	South Korea
		Alabama, Indiana, Iowa, Minnesota, South Carolina, Wisconsin	United States
⚡	AAC Acoustic Technologies Holdings Incorporated	Guangdong, Jiangsu	China mainland
		Vinh Phuc	Vietnam
⚡	Advanced Semiconductor Engineering Technology Holding Co., Ltd.	Jiangsu, Shanghai	China mainland
		Yamagata	Japan
		Taiwan	Taiwan
		Hai Phong	Vietnam
⚡	AGC Incorporated	Antwerp	Belgium
		Guangdong	China mainland
		Chiba, Fukushima, Hyogo	Japan
		Lamphun	Thailand
⚡	AKM Meadville Electronics (Xiamen) Company Limited	Guangdong, Jiangsu, Shanghai	China mainland
⚡	Alpha and Omega Semiconductor Limited	Chongqing, Shanghai	China mainland
		Oregon	United States

* Suppliers designated with a ⚡ have committed to achieving 100% renewable energy for all Apple-related production by 2030.



CLEAN ENERGY PROGRAM SUPPLIER*

SUPPLIER NAME










PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS

⚡	Alps Alpine Company Limited	Jiangsu, Zhejiang Fukushima, Miyagi, Niigata Negeri Sembilan Taiwan	China mainland Japan Malaysia Taiwan
⚡	Amkor Technology Incorporated	Shanghai Laguna, Metro Manila Gwangju, Incheon Taiwan	China mainland Philippines South Korea Taiwan
⚡	Amphenol Corporation	Jiangsu, Shanghai, Zhejiang Ayutthaya	China mainland Thailand
⚡	ams-OSRAM AG	Styria Shanghai Penang Laguna Singapore Gwangju Taiwan	Austria China mainland Malaysia Philippines Singapore South Korea Taiwan



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	Analog Devices Incorporated	Jiangsu	China mainland
		Mie, Yamagata	Japan
		Batangas, Cavite	Philippines
		Singapore	Singapore
		Taiwan	Taiwan
		Bangkok, Chachoengsao	Thailand
		Oregon, Texas, Washington	United States
⚡	AT & S Austria Technologie & Systemtechnik AG	Chongqing, Shanghai	China mainland
⚡	Baoji Titanium Industry Co., Ltd.	Shaanxi	China mainland
⚡	Baotou Inst Magnetic New Materials Co., Ltd.	Inner Mongolia Autonomous Region (IMAR)	China mainland
		Phu Tho	Vietnam
⚡	Beijing Zhong Ke San Huan High-Tech Co., Ltd.	Guangdong , Zhejiang	China mainland
⚡	Bichamp Cutting Technology (Hunan) Co., Ltd	Guangdong	China mainland
⚡	Biel Crystal Manufactory Limited	Guangdong	China mainland
		Bac Ninh, Hai Duong	Vietnam
⚡	BOE Technology Group Company Limited	Anhui, Chongqing, Sichuan	China mainland
⚡	Boyd Corporation	Guangdong, Jiangsu	China mainland



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
	Broadcom Limited	Jiangsu, Shanghai	China mainland
		Centre-Val De Loire	France
		Israel	Israel
		Penang, Pulau Pinang	Malaysia
		Singapore	Singapore
		Gwangju, Gyeonggi-Do, Gyeongsangbuk-Do	South Korea
		Taiwan	Taiwan
		California, Colorado, New York, Washington	United States
	Bumchun Precision Company Limited	Gyeonggi-Do	South Korea
	BYD Company Limited	Guangdong, Shanghai	China mainland
		Phu Tho	Vietnam
	Career Technology (Mfg.) Company Limited	Jiangsu	China mainland
		Taiwan	Taiwan
	Catcher Technology Company Limited	Jiangsu	China mainland
		Taiwan	Taiwan
	Cathay Tat Ming (HK) Company Limited	Guangdong, Jiangsu	China mainland
	Cheng Uei Precision Industry Company Limited (Foxlink)	Anhui, Guangdong, Jiangsu	China mainland
		Andhra Pradesh	India
		Ho Chi Minh	Vietnam
	Chengdu Homin Technology Company Limited	Sichuan	China mainland
	China Circuit Technology (Shantou) Corporation	Guangdong	China mainland



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	Cirrus Logic Incorporated	Taiwan	Taiwan
⚡	CN Innovations Holdings Limited	Guangdong, Hubei	China mainland
⚡	Coherent Corporation	California, Illinois, New Jersey, Pennsylvania, Texas	
⚡	Compal Electronics Incorporated	Chongqing, Jiangsu	China mainland
		Phetchaburi	Thailand
		Vinh Phuc	Vietnam
⚡	Compeq Manufacturing Company Limited	Chongqing, Guangdong, Jiangsu	China mainland
		Taiwan	Taiwan
⚡	Corning Incorporated	Fujian, Zhejiang	China mainland
		Chungcheongnam-Do	South Korea
		Taiwan	Taiwan
		Kentucky	United States
⚡	Cosmosupplylab Limited	Guangdong	China mainland
		Chon Buri	Thailand
		Maine	United States
⚡	Cowell E Holdings Incorporated	Guangdong	China mainland
⚡	Crystal-Optech Co., Ltd.	Zhejiang	China mainland
⚡	CymMetrik Enterprise Company Limited	Guangdong, Henan, Jiangsu	China mainland
		Bac Ninh	Vietnam



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	Delta Electronics Incorporated	Anhui, Hunan, Jiangsu	China mainland
		Taiwan	Taiwan
		Chachoengsao	Thailand
⚡	Derkwo Electronics Company Limited	Gyeongsangbuk-Do	South Korea
⚡	Dexerials Corporation	Tochigi	Japan
⚡	Diodes Incorporated	Anhui, Jiangsu, Jilin, Shanghai, Sichuan	China mainland
		Thuringia	Germany
		Okayama	Japan
		Singapore	Singapore
		Chungcheongbuk-Do, Gyeonggi-Do, Gyeongsangbuk-Do, Seoul	South Korea
		Taiwan	Taiwan
		England	United Kingdom
		California, Missouri	United States
⚡	Dynapack International Technology Corporation	Jiangsu	China mainland
⚡	Flex Limited	Guangdong	China mainland
		Tamil Nadu	India
		Texas	United States
⚡	Flexium Interconnect Incorporated	Jiangsu	China mainland
		Taiwan	Taiwan
⚡	Fujian Nanping Aluminium Company Limited	Sichuan	China mainland



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	Fujikura Limited	Shanghai	China mainland
		Niigata, Tochigi	Japan
		Bangkok, Lamphun, Pathum Thani, Prachin Buri	Thailand
⚡	General Interface Solution Limited	Guangdong, Sichuan	China mainland
		Taiwan	Taiwan
⚡	Genius Electronic Optical Company Limited	Fujian	China mainland
		Taiwan	Taiwan
⚡	GigaDevice Semiconductor Incorporated	Beijing	China mainland
⚡	Global Lighting Technologies	Shanghai	China mainland
⚡	GoerTek Incorporated	Guangdong, Shandong	China mainland
		Bac Ninh	Vietnam
⚡	Golden Arrow Printing Company Limited	Jiangsu	China mainland
		Ha Nam	Vietnam
⚡	Hama Naka Shoukin Industry Company Limited	Jiangsu	China mainland
⚡	Henkel AG & Company, KGaA	Guangdong, Shandong, Shanghai	China mainland
		Incheon	South Korea
		New Hampshire, Puerto Rico	United States
⚡	Hi-P International Limited	Jiangsu, Shanghai	China mainland
		Bac Ninh	Vietnam
⚡	Hirose Electric Company Limited	Aomori, Iwate, Miyagi, Toyama	Japan
		Gyeonggi-Do	South Korea



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
	Hon Hai Precision Industry Company Limited (Foxconn)	Guangdong, Henan, Jiangsu, Jiangxi, Shanxi, Sichuan, Zhejiang	China mainland
		Tamil Nadu	India
		Bac Giang	Vietnam
	IDEMIA Group	Guangdong	China mainland
		California	United States
	INB Electronics Limited	Guangdong	China mainland
		Phu Tho	Vietnam
	Infineon Technologies AG	Carinthia	Austria
		Biejing, Jiangsu, Shaanxi, Shandong, Shanghai	China mainland
		Bavaria, Saxony	Germany
		Israel	Israel
		Kedah, Malacca (Melaka), Perak	Malaysia
		Cavite, Laguna	Philippines
		Singapore	Singapore
		Gyeonggi-Do	South Korea
		Taiwan	Taiwan
		Bangkok, Nonthaburi	Thailand
		England	United Kingdom
		Minnesota, Texas	United States



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
	Intel Corporation	Chengdu	China mainland
		Leinster, Lexilip	Ireland
		Kedah, Kulim, Penang	Malaysia
		Portugal	Portugal
		Singapore	Singapore
		Taiwan	Taiwan
		Oregon	United States
		Ho Chi Minh	Vietnam
⚡	Interplex Holdings Pte. Ltd.	Zhejiang	China mainland
		Karnataka	India
⚡	J.Pond Industry (Dongguan) Company Limited	Guangdong, Jiangsu	China mainland
⚡	Jabil Incorporated	Guangdong, Jiangsu, Sichuan, Tianjin	China mainland
		Maharashtra	India
		Taiwan	Taiwan
⚡	Japan Aviation Electronics Industry Limited	Aomori, Tokyo, Yamagata	Japan
⚡	Japan Display Incorporated	Guangdong, Jiangsu	China mainland
		Chiba	Japan
⚡	JCET Group Company Limited	Jiangsu	China mainland
		Singapore	Singapore
		Incheon	South Korea
		Taiwan	Taiwan



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⚡	Jiangsu Kangrui New Material Technology Co.,Ltd.	Jiangsu	China mainland
⚡	Jiuquan Iron & Steel (Group) Co., Ltd.	Gansu	China mainland
⚡	Jones Tech PLC	Jiangsu	China mainland
		Rayong	Thailand
⚡	JX Nippon Mining & Metals Corporation (Eneos Holding)	Kanagawa	Japan
⚡	Kam Kiu Aluminium Products Group Limited	Guangdong	China mainland
⚡	Keiwa Inc.	Jiangsu	China mainland
		Wakayama	Japan
⚡	Kioxia Holdings Corporation	Shanghai	China mainland
		Mie	Japan
⚡	Knowles Corporation	Jiangsu	China mainland
		Penang	Malaysia
⚡	Kunshan Kersen Science and Technology Company Limited	Jiangsu	China mainland
⚡	Kyocera Corporation	Guangdong	China mainland
		Kagoshima, Kyoto, Miyagi, Nagano, Niigata, Shiga, Yamagata	Japan
⚡	Largan Precision Company Limited	Guangdong	China mainland
		Taiwan	Taiwan
⚡	Lens Technology Company Limited	Guangdong, Hunan, Jiangsu	China mainland
		Bac Giang	Vietnam
⚡	LG Energy Solution	Jiangsu	China mainland
		Chungcheongbuk-Do	South Korea



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	LG Display Company Limited	Guangdong, Jiangsu, Shandong	China mainland
		Gyeonggi-Do, Gyeongsangbuk-Do	South Korea
		Hai Phong	Vietnam
⚡	LG Innotek Company Limited	Gyeonggi-Do, Gyeongsangbuk-Do	South Korea
		Hai Phong	Vietnam
⚡	Lingyi iTech (Guangdong) Company	Guangdong, Jiangsu, Sichuan	China mainland
		Tamil Nadu	India
		Bac Ninh	Vietnam
⚡	Lite-On Technology Corporation	Guangdong, Jiangsu, Shanghai	China mainland
⚡	Luen Fung Group	Guangdong	China mainland
⚡	Lumentum Holdings Incorporated	Taiwan	Taiwan
		California	United States
⚡	Lumileds Holding B.V.	Penang	Malaysia
		Singapore	Singapore
⚡	Luxshare Precision Industry Company Limited	Anhui, Guangdong, Jiangsu, Jiangxi, Zhejiang	China mainland
		Bac Giang, Nghe An	Vietnam
⚡	LX Semicon Co., Ltd.	Daejeon, Gyeongsangbuk-Do	South Korea
⚡	Marian Incorporated	Guangdong, Jiangsu	China mainland
	MicroChip Technology Incorporated	Laguna	Philippines



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PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS

⚡	Micron Technology Incorporated	Shaanxi Hiroshima Singapore Taiwan	China mainland Japan Singapore Taiwan
⚡	MinebeaMitsumi Incorporated	Phnom Penh Shanghai Aomori, Hokkaido, Miyazaki, Tokyo Cebu Lop Buri, Phra Nakhon Si Ayutthaya	Cambodia China mainland Japan Philippines Thailand
⚡	Molex Incorporated	Shanghai Kagoshima, Shizuoka Penang Sonora Singapore Gyeonggi-Do Hanoi	China mainland Japan Malaysia Mexico Singapore South Korea Vietnam





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CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
	Murata Manufacturing Company Limited	<p>Chengdu, Guangdong, Jiangsu</p> <p>Saxony</p> <p>Aomori, Fukui, Fukushima, Ibaraki, Ishikawa, Iwate, Kagoshima, Miyagi, Miyazaki, Nagano, Okayama, Shiga, Shimane, Toyama</p> <p>Perak</p> <p>Pampanga</p> <p>Singapore</p> <p>Taiwan</p> <p>Bangkok, Lamphun</p> <p>California, Texas, Vermont</p> <p>Da Nang, Tien Giang</p>	<p>China mainland</p> <p>Germany</p> <p>Japan</p> <p>Malaysia</p> <p>Philippines</p> <p>Singapore</p> <p>Taiwan</p> <p>Thailand</p> <p>United States</p> <p>Vietnam</p>
	Nanofilm Technologies International Private Limited	<p>Shanghai</p> <p>Hai Duong</p>	<p>China mainland</p> <p>Vietnam</p>
	Nan Ya PCB Corporation	<p>Jiangsu</p> <p>Taiwan</p>	<p>China mainland</p> <p>Taiwan</p>
	Nichia Corporation	Tokushima	Japan
	Nidec Corporation	<p>Guangdong</p> <p>Laguna</p> <p>Phra Nakhon Si Ayutthaya</p>	<p>China mainland</p> <p>Philippines</p> <p>Thailand</p>
	Nissha Company Limited	Hyogo, Ishikawa	Japan



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	Nitto Denko Corporation	Guangdong, Shanghai Aichi, Hiroshima, Mie, Osaka, Toyohashi Gyeonggi-Do	China mainland Japan South Korea
	NOK Corporation	Guangdong, Jiangsu Ibaraki Phra Nakhon Si Ayutthaya Hung Yen	China mainland Japan Thailand Vietnam
	Nordic Semiconductor ASA	Laguna Singapore Taiwan	Philippines Singapore Taiwan
	NXP Semiconductors N.V.	Jiangsu, Shanghai Dresden Okayama Nijmegen Singapore Taiwan Chachoengsao, Phra Nakhon Si Ayutthaya	China mainland Germany Japan Netherlands Singapore Taiwan Thailand



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
	ON Semiconductor Corporation	Guangdong, Jiangsu, Shanghai, Sichuan	China mainland
		Zlin	Czech Republic
		Tamil Nadu	India
		Israel	Israel
		Chubu, Fukushima, Niigata, Okayama, Toyama	Japan
		Negeri Sembilan, Penang, Selangor	Malaysia
		Cebu, Laguna, Tarlac	Philippines
		Singapore	Singapore
		Gyeonggi-Do	South Korea
		Taiwan	Taiwan
		Ayutthaya, Bangkok, Chachoengsao, Phra Nakhon Si Ayutthaya	Thailand
		Arizona, Idaho, Maine, Oregon, Pennsylvania, Texas, Utah	United States
	Paishing Technology Company	Guangdong	China mainland
	Parade Technologies Limited	Gwangju	South Korea
		Taiwan	Taiwan
	Pegatron Corporation	Jiangsu, Shanghai	China mainland
		Tamil Nadu	India
	Phone In Mag-Electronics Company Limited	Guangdong, Henan, Jiangsu	China mainland
	Pioneer Material Precision Tech Company Limited	Chongqing, Guangdong, Jiangsu	China mainland
	Platinum Optics Technology Incorporated	Taiwan	Taiwan



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	POSCO International	Shanghai	China mainland
		Gyeonggi-Do	South Korea
⚡	Power Integrations Incorporated	Kagoshima, Miyagi, Oita, Yamagata	Japan
		Perak	Malaysia
		Taiwan	Taiwan
		Chachoengsao, Phra Nakhon Si Ayutthaya	Thailand
		Texas	United States
⚡	Primax Electronics Limited	Guangdong	China mainland
⚡	Qorvo Incorporated	Beijing, Guangdong, Jiangsu, Shandong	China mainland
		Heredia	Costa Rica
		Toyama	Japan
		Perak	Malaysia
		Singapore	Singapore
		Gwangju, Gyeongsangbuk-Do, Incheon	South Korea
		Taiwan	Taiwan
		New York, North Carolina, Oregon, Texas, Vermont	United States
⚡	Quadrant Solutions	Zhejiang	China mainland



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
	Qualcomm Incorporated	Beijing, Shanghai, Tianjin	China mainland
		Dresden	Germany
		Laguna	Philippines
		Singapore	Singapore
		Chungcheongbuk-Do, Gwangju, Gyeonggi-Do, Incheon	South Korea
		Taiwan	Taiwan
		New York, Texas	United States
	Quanta Computer Incorporated	Chongqing, Shanghai	China mainland
		Chon Buri	Thailand
		Nam Dinh	Vietnam
	R.R. Donnelley and Sons Company	Guangdong, Henan, Jiangsu, Shanghai, Sichuan	China mainland
		Bac Ninh	Vietnam
	Radiant Opto-Electronics Corporation	Guangdong, Jiangsu	China mainland
	Renesas Electronics Corporation	Sichuan	China mainland
		Shiga	Japan
		Penang	Malaysia
		Taiwan	Taiwan
		California, Minnesota	United States
	Robert Bosch GmbH	Jiangsu	China mainland
		Reutlingen	Germany



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
	Rohm Company Limited	Tianjin	China mainland
		Fukuoka, Ibaraki, Kyoto, Okayama	Japan
		Kelantan	Malaysia
		Cavite	Philippines
		Pathum Thani	Thailand
	SABIC - Saudi Arabian Oil Company	Guangdong, Shanghai	China mainland
		Singapore	Singapore
		Indiana	United States
	Samsung Electro-Mechanics Company Limited	Tianjin	China mainland
		Laguna	Philippines
		Busan, Sejong	South Korea
		Chachoengsao	Thailand
	Samsung Electronics Company Limited	Jiangsu, Shaanxi	China mainland
		Chungcheongnam-Do, Gyeonggi-Do	South Korea
		Texas	United States
		Bac Ninh	Vietnam
	Samsung SDI Company Limited	Tianjin	China mainland
		Chungcheongnam-Do	South Korea
	San'an Optoelectronics Co., Ltd.	Fujian	China mainland
	Shandong Innovation Group	Shandong	China mainland






CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	Shanghai Industrial Holdings Limited	Henan, Jiangsu, Shandong, Sichuan	China mainland
		Bac Ninh	Vietnam
⚡	Sharp Corporation	Jiangsu	China mainland
		Ishikawa, Mie	Japan
		Binh Duong	Vietnam
⚡	Shenzhen BSC technology Co., Ltd.	Guangdong	China mainland
⚡	Shenzhen Desay Battery Technology Company Limited	Guangdong	China mainland
		Bac Giang	Vietnam
⚡	Shenzhen Everwin Precision Technology Company Limited	Guangdong	China mainland
⚡	Shenzhen Forceblack Technology Co., Ltd	Guangdong	China mainland
⚡	Shenzhen Linkconn Electronics Co., Ltd.	Jiangsu	China mainland
⚡	Shenzhen Sunway Communication Company Limited	Beijing, Guangdong, Jiangsu	China mainland
		Vinh Phuc	Vietnam
⚡	Shenzhen YUTO Packaging Technology Company Limited	Guangdong, Henan, Jiangsu, Shanghai, Sichuan	China mainland
		Karnataka	India
		Bac Ninh	Vietnam
⚡	Shin Zu Shing Company Limited	Jiangsu	China mainland
		Taiwan	Taiwan
⚡	Simplo Technology Company Limited	Jiangsu	China mainland
⚡	SK hynix Incorporated	Chongqing, Jiangsu	China mainland
		Chungcheongbuk-Do, Gyeonggi-Do	South Korea



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PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS

	Skyworks Solutions Incorporated	Guangdong Osaka Baja California Singapore Gwangju, Gyeonggi-Do, Incheon Taiwan California, Massachusetts, Texas, Vermont	China mainland Japan Mexico Singapore South Korea Taiwan United States
	Solvay S.A.	Jiangsu Georgia	China United States
	Sony Corporation	Aichi, Kagoshima, Kumamoto, Miyagi, Miyazaki, Nagasaki, Oita, Yamagata Perak Chungcheongbuk-Do Taiwan Pathum Thani	Japan Malaysia South Korea Taiwan Thailand

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	STMicroelectronics N.V.	Guangdong, Jiangsu, Jiangxi, Shandong, Shanghai Auvergne-Rhône-Alpes, Centre-Val De Loire, Provence-Alpes-Côte D'Azur Lombardy, Sicily Johor, Perak, Selangor Malta Casablanca-Settat Laguna Singapore Gwangju, Incheon Taiwan Bangkok, Chachoengsao Washington	China mainland France Italy Malaysia Malta Morocco Philippines Singapore South Korea Taiwan Thailand United States
	Stora Enso Oyj	Guangdong, Hebei, Jiangsu	China mainland
	Sumida Corporation	Guangdong, Hunan	China mainland
	Sumitomo Chemical Company Limited	Jiangsu Ehime	China mainland Japan
	Sumitomo Electric Industries Limited	Guangdong Shiga Laguna Hanoi	China mainland Japan Philippines Vietnam
	Sunny Optical Technology Co., Ltd.	Zhejiang	China mainland



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	Sunrex Technology Corporation	Jiangsu	China mainland
⚡	Sunwoda Electronic Company Limited	Guangdong, Zhejiang	China mainland
		Uttar Pradesh	India
		Bac Giang	Vietnam
⚡	Suzhou Anjie Technology Company Limited	Jiangsu	China mainland
⚡	Suzhou Dongshan Precision Manufacturing Company Limited	Jiangsu	China mainland
⚡	Suzhou Zhongjiemai Panel Industry Technology Company Limited	Jiangsu	China mainland
	Synaptics Incorporated	Ibaraki	Japan
⚡	Taiwan Hodaka Technology Company Limited	Taiwan	Taiwan
⚡	Taiwan Semiconductor Manufacturing Company Limited	Shanghai	China mainland
		Singapore	Singapore
		Taiwan	Taiwan
⚡	Taiwan Surface Mounting Technology Corporation	Anhui, Jiangsu	China mainland
⚡	Taiyo Yuden Company Limited	Guangdong	China mainland
		Fukushima, Gunma, Niigata, Wakayama	Japan
		Sarawak	Malaysia
		Cebu	Philippines
		Gyeongsangnam-Do	South Korea
⚡	Tata Electronics	Tamil Nadu	India









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⚡	TDK Corporation	Fujian, Guangdong, Liaoning, Shandong	China mainland
		Rodenberg	Germany
		Haryana	India
		Akita, Iwate, Nagano, Yamagata, Yamanashi	Japan
⚡	Texas Instruments Incorporated	Jiangsu, Sichuan	China mainland
		Bavaria	Germany
		Fukushima, Ibaraki, Niigata	Japan
		Malacca (Melaka), Selangor	Malaysia
		Metro Manila, Pampanga	Philippines
		Singapore	Singapore
		Gyeonggi-Do	South Korea
		Taiwan	Taiwan
		Ayutthaya	Thailand
		Maine, Texas, Utah	United States
⚡	Tongda Group Holdings Limited	Fujian, Guangdong	China mainland
⚡	Toyoda Gosei Co., Limited	Taiwan	Taiwan
⚡	TPK Holding Company Limited	Fujian	China mainland
⚡	Trinseo S.A.	Taiwan	Taiwan
⚡	Tripod Technology Corporation	Hubei, Jiangsu	China mainland
⚡	Tsujiiden Company Limited	Nagasaki	Japan



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
⚡	TXC Corporation	Chongqing, Zhejiang Aomori Taiwan	China mainland Japan Taiwan
⚡	Unimicron Technology Corporation	Jiangsu Hokkaido Taiwan	China mainland Japan Taiwan
⚡	Unisteel Technology Limited (SFS Group)	Jiangsu, Shanghai	China mainland
⚡	Unitech Printed Circuit Board Corporation	Taiwan	Taiwan
⚡	United Test and Assembly Center Limited	Guangdong Singapore Bangkok, Chachoengsao	China mainland Singapore Thailand
⚡	VARTA Microbattery GmbH	Baden-Württemberg, Bavaria	Germany
⚡	Viavi Solutions Incorporated	Jiangsu	China mainland
⚡	Western Digital Corporation	Shanghai Mie Penang	China mainland Japan Malaysia
⚡	Winbond Electronics Corporation	Taiwan	Taiwan
⚡	Wingtech Technology Co., Ltd.	Guangdong, Yunnan, Zhejiang	China mainland
⚡	Wistron Corporation	Guangdong, Jiangsu Karnataka	China mainland India



CLEAN ENERGY PROGRAM SUPPLIER*	SUPPLIER NAME	PRIMARY LOCATIONS WHERE MANUFACTURING FOR APPLE OCCURS	
	Yageo Corporation	Fujian, Guangdong, Jiangsu, Shanghai	China mainland
		Mukakuning	Indonesia
		Nuevo Leon, Tamaulipas	Mexico
		Taiwan	Taiwan
		Chachoengsao	Thailand
		Dong Nai	Vietnam
	Young Poong Corporation	Gyeonggi-Do	South Korea
		Vinh Phuc	Vietnam
	Zhejiang Tony Electronic Co., Ltd.	Zhejiang	China mainland
	Zhen Ding Technology Holding Limited	Guangdong, Hebei, Jiangsu	China mainland
		Tamil Nadu	India
	Zhenghe Group	Guangdong	China mainland
	Zhuhai CosMX Battery Co., Ltd.	Chongqing, Guangdong	China mainland



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In addition to manufacturing facilities, this list may also contain sites that support manufacturing operations.