

<u>COMPANY NAME</u>	<u>DESCRIPTION</u>	<u>COUNTRY</u>	<u>WGT</u>	<u>SEC.</u>	<u>CUR.</u>
Acuity Brands	LEDs, OLEDs, controls for indoor & outdoor lighting.	US	1.00	EEF	USD
Albioma SA	Biomass, sugarcane, hybrid combustion, cogen.	FRANCE	1.00	RBB	EUR
Ameresco	Energy savings, performance contracts, renewables.	US	1.00	EEF	USD
Atlantica Yield plc	Yieldco, Contracted renewables, also transmission.	US	1.00	RSR	USD
Audax Renovables	Wind power, in Europe and the Americas.	SPAIN	1.00	RWD	EUR
Ballard Power	Fuel cells; R&D, used in transportation and more.	CANADA	1.00	ECV	CAD
BCPG PCL	Solar and other renewable energy.	THAILAND	1.00	RSR	THB
Bloom Energy	Stationary fuel cells, distributed but non-renewable.	US	1.00	ECV	USD
Boralex	Renewables generation, operates wind, hydro, solar.	CANADA	1.00	RWD	CAD
BYD Co.	Batteries, potential use in EVs, rail, solar, China.	HONG KONG	1.00	ENS	HKD
Canadian Solar	Solar, vertically integrated solar manufacturer, China.	US	1.00	RSR	USD
Canvest Envtl.	Waste to Energy, China-focused.	HONG KONG	1.00	RBB	HKD
Caverion OYJ	Energy efficiency, buildings, infrastructure, Europe.	FINLAND	1.00	EEF	EUR
China Speed Trans.	Wind power, turbine gear boxes & transmissions.	HONG KONG	1.00	RWD	HKD
Clearway Energy	Contracted power generation, thermal, renewables.	US	1.00	RWD	USD
Contact Energy	Electric Utility, offers power from geothermal, hydro.	NEW ZEA	1.00	ROH	NZD
Cree Inc.	LED manufacturer power-saving, efficient lighting.	US	1.00	EEF	USD
CropEnergies AG	Bioethanol, from cereals and sugarbeet, Germany.	GERMANY	1.00	RBB	EUR
Credit Suisse R. Grn.	Sustainability in buildings, real estate.	SWITZ	1.00	EEF	CHF
CS Wind	Wind power, both onshore, also offshore.	S. KOREA	1.00	RWD	KRW
Daqo New Energy	Solar, high-purity polysilicon for solar wafers, China.	US	1.00	RSR	USD
Drax Group PLC	Electric power company, biomass wood thermal, U.K.	BRITAIN	1.00	RBB	GBP
EcoPro	Battery materials, Pollution Control, S. Korea.	S. KOREA	1.00	ENS	KRW
EDP Renovaveis SA	Wind power, among largest in world, Iberia.	PORTUGAL	1.00	RWD	EUR
EF On Inc.	Energy services, conserve., woody biomass, Japan.	JAPAN	1.00	RBB	JPY
Encavis AG	Solar, large solar park operator, also wind, Germany.	GERMANY	1.00	RSR	EUR
Enphase	Inverters, micro-products for solar panels, storage.	US	1.00	RSR	USD
Epistar	LEDs, large LED manufacturer in Taiwan.	TAIWAN	1.00	EEF	TWD
eRex Co. ltd.	Power gen, business, residential, biomass, Japan.	JAPAN	1.00	RBB	JPY
Everlight Electronics	LEDs, large manufacturer in optoelectronics, Taiwan.	TAIWAN	1.00	EEF	TWD
Falck Renewables	Renewable wind, biomass, WtE, solar, Europe.	ITALY	1.00	RWD	EUR
First Solar	Thin film solar, CdTe as alternate to polysilicon.	US	1.00	RSR	USD
GCP Infrastructure	Trust invests in renewables, based in Jersey U.K.	BRITAIN	1.00	RSR	GBP
Gigasolar Materials	Solar, conductive pastes in PV panel manufacturing.	TAIWAN	1.00	RSR	TWD
Greencoat UK Wind	Infrastructure fund, invested in U.K. wind assets.	BRITAIN	1.00	RWD	GBP
GS Yuasa	Battery technologies, also Lithium for EVs, Japan.	JAPAN	1.00	ENS	JPY
Gurit Holding AG	Composite Materials in wind, lightens cars, planes.	SWITZ	1.00	RWD	CHF
Hannon Armstrong	Energy efficiency, capital & finance for infrastructure.	US	1.00	EEF	USD
Huaneng Renewab	Large power plants, R&D into efficiency, China.	HONG KONG	1.00	RWD	HKD
Innervex Renewable	Renewable power, run-of-river hydro, wind, solar.	CANADA	1.00	ROH	CAD
Itron	Meters, Utility energy, measuring, management.	US	1.00	EEF	USD

JinkoSolar	Solar, wafers to solar modules, China-based OEM.	US	1.00	RSR	USD
Kandi Technologies	Electric Vehicles, focus on battery electric vehicles.	US	1.00	EEF	USD
Kingspan Group plc	Efficient Buildings, insulation, conservation, Ireland.	IRELAND	1.00	EEF	EUR
Landis+Gyr Grp AG	Advanced meters, modernizing grid, Switzerland.	SWITZ.	1.00	EEF	CHF
Lextar Elect. Corp	LEDs and efficient displays and lighting.	TAIWAN	1.00	EEF	TWD
Meidensha Corp	Energy management, power gen & transmission.	JAPAN	1.00	EEF	JPY
Mercury NZ	Clean power, 100% renewable hydro, geothermal.	N ZEALAND	1.00	ROH	NZD
Meridian Energy	Hyrdoelectric power stations, wind, New Zealand.	N ZEALAND	1.00	ROH	NZD
Meyer Burger Tech	Solar, manufacturing equip. Switzerland, worldwide.	SWITZ	1.00	RSR	CHF
Motech Industries	Solar, producer of cells, modules, Taiwan.	TAIWAN	1.00	RSR	TWD
Nel ASA	Hydrogen, envisions fuel cells, renewable, Norway.	NORWAY	1.00	ECV	NOK
Neoen SA	Renewable energy mainly solar, some wind.	FRANCE	1.00	RSR	EUR
Nibe Industrier AB	Heating & cooling, sustainable technologies, Sweden.	SWEDEN	1.00	EEF	SEK
Nio	EVs, design, manufacture, and sale including SUVs	US	1.00	EEF	USD
Nordex SE	Wind turbines, based in Germany and worldwide.	GERMANY	1.00	RWD	EUR
Northland Power	Wind, solar, nat. gas, biomass; power prod. Canada.	CANADA	1.00	RWD	CAD
Novozymes A/S	Biofuels, enzymes used in partnerships, Denmark.	DENMARK	1.00	RBB	DKK
Ormat	Geothermal, works too in recovered heat energy.	US	1.00	ROH	USD
Orsted A/S	Sustainable wind, also biomass, thermal, Denmark.	DENMARK	1.00	RWD	DKK
OSRAM Licht AG	LEDs, Lighting manufacturer, semis, Germany.	GERMANY	1.00	EEF	EUR
Pattern Energy Group	Wind farms, solar added for GW sized PPAs.	US	1.00	RWD	USD
Plug Power	Small fuel cells, e.g. in forklifts; drop in replacements.	US	1.00	ECV	USD
PNE AG	Wind, both onshore and offshore globally.	GERMANY	1.00	RWD	EUR
Renewable Ene Grp	Biodiesel, natural fats, oils, grease to biofuels.	US	1.00	RBB	USD
Renewables Infra	Wind Farm & Solar Park revenues assets, U.K.	BRITAIN	1.00	RWD	GBP
Renova	Wind, Solar, Biomass, power generation in Asia.	JAPAN	1.00	RWD	JPY
Ricardo plc	Global Engineering, energy, envt, transportation.	BRITAIN	1.00	EEF	GBP
Samsung SDI	Batteries, innovative energy storage, EVs, S. Korea.	S. KOREA	1.00	ENS	KRW
Scatec Solar ASA	Solar power parks worldwide.	NORWAY	1.00	RSR	NOK
Seoul Semiconductor	Lighting, automotive, LEDs, South Korea	S. KOREA	1.00	EEF	KRW
Siemens Gamesa	Wind, onshore & offshore, turbines gears, Spain	SPAIN	1.00	RWD	EUR
Signify NV	Lighting, systems increasing efficiency, Netherlands.	NETHLND.	1.00	EEF	EUR
Sino-American Silicon	Solar, semicons silicon wafer materials, Taiwan.	TAIWAN	1.00	RSR	TWD
SMA Solar Tech	Inverters for solar, industrial scale,storage, Germany.	GERMANY	1.00	RSR	EUR
Sociedad Quim Chile	Lithium, a key element in advanced batteries, Chile	US	1.00	ENS	USD
SolarEdge	Inverters, panel solar optimizers, micro-inverters.	US	1.00	RSR	USD
Sunnova	Residential solar and energy storage installation.	US	1.00	RSR	USD
SunPower	Solar, efficient PV panels with rear-contact cells.	US	1.00	RSR	USD
Sunrun	Residential solar, leasing, PPA or purchase roof PV.	US	1.00	RSR	USD
Takuma	Thermal Plants, biomass, corn, wood wastes.	JAPAN	1.00	RBB	JPY
Tanaka Chemical	Battery technologies, positive electrode materials.	JAPAN	1.00	ENS	JPY
TerraForm Power	Owns, runs solar/wind, in developed nations, yieldco.	US	1.00	RSR	USD
Tesla	Electric vehicles, solar; in EVs & energy storage.	US	1.00	ENS	USD
Tilt Renewables	Wind Farms, Australia and New Zealand, some solar.	N. ZEALAND	1.00	RWD	NZD
TPI Composites	Wind Blades; also light-weighting for transportation.	US	1.00	RWD	USD

TransAlta Renew	Renewables, operating wind power, some hydro.	CANADA	1.00	RWD	CAD
United Renewable En	Solar, aiming to be vertically-integrated, Taiwan.	TAIWAN	1.00	RSR	TWD
Universal Display	Organic light emitting diodes, efficient displays.	US	1.00	EEF	USD
Veeco instruments	Thin film equipment, for LEDs, efficient electronics.	US	1.00	EEF	USD
Verbio Ver. BioEn.	Biofuels, manufacturer supplier to Germany, Europe.	GERMANY	1.00	RBB	EUR
Verbund AG	Electricity supplier, hydro, a large provider for Austria.	AUSTRIA	1.00	ROH	EUR
Vestas Wind A/S	Wind, wind turbine man & services, Denmark.	DENMARK	1.00	RWD	DKK
Vivint Solar	Solar, one-stop installer direct to homes sales model.	US	1.00	RSR	USD
W-Scope	Lithium-ion batteries, separator membranes	JAPAN	1.00	ENS	JPY
West Holdings	Solar, Japan-focused residential and commercial PV.	JAPAN	1.00	RSR	JPY
Willdan Group	Energy efficiency in infrastructure, engineering.	US	1.00	EEF	USD
Xinjiang Goldwind	Wind, large turbine manufacturer, China.	HONG KONG	1.00	RWD	HKD
Xinyi Energy Holdings	Solar Farms, spin-off from Xinyi solar glass, China.	HONG KONG	1.00	RSR	HKD
Xinyi Solar Holdings	Solar, ultra-clear solar glass products, China.	HONG KONG	1.00	RSR	HKD