

Company	Description	Country	Weight	Nex Sector	Currency
Ballard Power Systems Inc	Mid-size fuel cells; R&D, PEM FCs as in transportation.	CANADA	0.26%	ECV	CAD
Plug Power Inc	Small fuel cells, e.g. in forklifts; drop in replacements.	UNITED STATES	0.26%	ECV	USD
NEL ASA	Hydrogen, envisions powering fuel cell vehicles renewably, Norway.	NORWAY	0.26%	ECV	NOK
Tesla Inc	Electric vehicles, solar; in EVs & energy storage.	UNITED STATES	1.58%	EEF	USD
Kingspan Group PLC	Buildings, innovative insulation for conservation, Ireland.	IRELAND	1.58%	EEF	EUR
OSRAM Licht AG	Lighting manufacturer, also automotive, semiconductors, Germany.	GERMANY	1.58%	EEF	EUR
Nibe Industrier AB	Heating & cooling, also in diverse sustainable technologies, Sweden.	SWEDEN	1.58%	EEF	SEK
Acuity Brands Inc	LEDs, OLEDs, controls for indoor & outdoor lighting.	UNITED STATES	1.58%	EEF	USD
Universal Display Corp	Organic light emitting diodes, efficient displays.	UNITED STATES	1.58%	EEF	USD
Cree Inc	LED manufacturer power-saving lumens, efficient lighting.	UNITED STATES	1.58%	EEF	USD
Philips Lighting NV	Lighting, connected systems increasing efficiency, Netherlands.	NETHERLANDS	1.58%	EEF	EUR
Itron Inc	Meters, Utility energy monitoring, measuring & management.	UNITED STATES	1.58%	EEF	USD
Landis+Gyr Group AG	Advanced meters, modernizing grid, Switzerland.	SWITZERLAND	1.58%	EEF	CHF
Epistar Corp	LEDs, large LED manufacturer in Taiwan, much IP.	TAIWAN	1.58%	EEF	TWD
Seoul Semiconductor Co Ltd	Lighting, automotive, LEDs, South Korea	SOUTH KOREA	1.58%	EEF	KRW
Hannon Armstrong Sustainable Infra	Energy efficiency, capital & finance for infrastructure.	UNITED STATES	1.58%	EEF	USD
Meidensha Corp	Energy management, power generation & transmission.	JAPAN	1.58%	EEF	JPY
Veeco Instruments Inc	Thin film equipment, for LEDs, energy efficient electronics.	UNITED STATES	1.58%	EEF	USD
Credit Suisse Real Estate Fund	Sustainability in buildings, real estate.	SWITZERLAND	0.45%	EEF	CHF
Caverion OYJ	Energy efficiency, buildings, industrial infrastructure, Europe.	FINLAND	0.45%	EEF	EUR
Ricardo PLC	Global Engineering, energy, environment, transportation.	BRITAIN	0.45%	EEF	GBP
Wasion Group Holdings Ltd	Metering, integrated smart energy management, China.	HONG KONG	0.45%	EEF	HKD
Everlight Electronics Co Ltd	LEDs, large manufacturer in optoelectronics, Taiwan.	TAIWAN	0.45%	EEF	TWD
Ameresco Inc	Energy savings, performance contracts, also in renewables.	UNITED STATES	0.45%	EEF	USD
Kandi Technologies Group Inc	EVs, developing small gasoline and electric urban vehicles.	CHINA	0.45%	EEF	USD
Lextar Electronics Corp	LEDs and efficient lighting.	TAIWAN	0.45%	EEF	TWD
EF-ON INC	Energy services, energy conservation, biomass, Japan	JAPAN	0.45%	EEF	JPY
Odelic Co Ltd	Lighting, LEDs, residential, commercial equipment, Japan.	JAPAN	0.45%	EEF	JPY
Willdan Group Inc	Energy efficiency in infrastructure, engineering.	UNITED STATES	0.45%	EEF	USD
Dialight PLC	LED lighting, for industrial customers, U.K.	BRITAIN	0.45%	EEF	GBP
LSI Industries Inc	Lighting, LEDs, vertically integrated U.S. manufacturer.	UNITED STATES	0.45%	EEF	USD
BYD Co Ltd	Batteries, potential use in EVs, rail, solar farms, forklifts.	CHINA	1.41%	ENS	HKD
Sociedad Quimica y Minera de Chile SA	Lithium, produces a key element in advanced batteries, Chile	CHILE	1.41%	ENS	USD
Samsung SDI Co Ltd	Batteries, innovative energy storage, EVs, South Korea	SOUTH KOREA	1.41%	ENS	KRW
GS Yuasa Corp	Battery technologies, also includes Lithium for EVs, Japan.	JAPAN	1.41%	ENS	JPY
Ecopro Co Ltd	Battery materials, Pollution Controls, CO catalyst.	SOUTH KOREA	0.40%	ENS	KRW
FDG Electric Vehicles Ltd	EV manufacturer including cars, buses, batteries, China.	HONG KONG	0.40%	ENS	HKD
VOLTABOX AG	Lithium-ion batteries, energy storage.	GERMANY	0.40%	ENS	EUR
Tanaka Chemical Corp	Battery technologies, positive electrode materials.	JAPAN	0.40%	ENS	JPY
Maxwell Technologies Inc	Ultracapacitors, an alternative to batteries as in hybrids.	UNITED STATES	0.40%	ENS	USD
Advanced Lithium Electrochemistry	Battery technologies, lithium cathode materials, LFP-NCO.	TAIWAN	0.40%	ENS	TWD
SaltX Technology Holding AB	Energy Storage, uses salt to store thermal energy, Sweden.	SWEDEN	0.40%	ENS	SEK
Novozymes A/S	Biofuels, enzymes used in partnerships, Denmark.	DENMARK	0.98%	RBB	DKK
Energy Absolute PCL	Alternative energy power producer, biodiesel, Thailand.	THAILAND	0.98%	RBB	THB
Drax Group PLC	Electric power company, biomass wood pellet thermal, U.K.	BRITAIN	0.98%	RBB	GBP
Takuma Co Ltd	Thermal Plants, uses biomass, palm, corn, wood wastes.	JAPAN	0.98%	RBB	JPY
Green Plains Inc	Biofuel, ethanol; using U.S. domestic feedstock.	UNITED STATES	0.98%	RBB	USD
Canvest Environmental Protection	Waste to Energy, China-focused.	HONG KONG	0.28%	RBB	HKD
Albioma SA	Biomass, sugarcane, hybrid combustion and cogeneration.	FRANCE	0.28%	RBB	EUR
Renewable Energy Group Inc	Biodiesel, natural fats, oils, grease to biofuels.	UNITED STATES	0.28%	RBB	USD
CropEnergies AG	Bioethanol, from cereals and sugarbeet, Germany.	GERMANY	0.28%	RBB	EUR
eRex Co Ltd	Power generation, for businesses and residential, biomass.	JAPAN	0.28%	RBB	JPY
VERBIO Vereinigte BioEnergie AG	Biofuels, manufacturer and supplier to Germany and Europe.	GERMANY	0.28%	RBB	EUR
Verbund AG	Electricity supplier, hydro, a large provider for Austria.	AUSTRIA	0.70%	ROH	EUR
Mercury NZ Ltd	Clean power provider, 100% renewables hydro, geothermal.	NEW ZEALAND	0.70%	ROH	NZD
Contact Energy Ltd	Electric Utility, offers power from geothermal and hydro.	NEW ZEALAND	0.70%	ROH	NZD
Ormat Technologies Inc	Geothermal, works too in recovered heat energy.	UNITED STATES	0.70%	ROH	USD
Innervex Renewable Energy Inc	Renewable power, in run-of-river hydroelectric, wind, solar.	CANADA	0.70%	ROH	CAD
Energy Development Corp	Geothermal, one of larger in Philippines and world.	PHILIPPINES	0.20%	ROH	PHP
First Solar Inc	Thin film solar, CdTe as a low-cost alternate to polysilicon.	UNITED STATES	1.18%	RSR	USD
Xinyi Solar Holdings Ltd	Clear solar glass products, solar farms, EPC, China.	CHINA	1.18%	RSR	HKD
SolarEdge Technologies Inc	Inverters, panel-level solar optimizers, micro-inverters.	ISRAEL	1.18%	RSR	USD
Sino-American Silicon Products Inc	Solar, semi-conductor silicon wafer materials, Taiwan.	TAIWAN	1.18%	RSR	TWD
SMA Solar Technology AG	Inverters for solar, industrial scale, storage tech., Germany	GERMANY	1.18%	RSR	EUR
GCL-Poly Energy Holdings Ltd	Solar, polysilicon for upstream PV manufacturing.	HONG KONG	1.18%	RSR	HKD
Atlantica Yield plc	Yieldco, Contracted renewables assets, also transmission.	SPAIN	1.18%	RSR	USD
TerraForm Power Inc	Owns and runs solar/wind, in developed nations, yieldco.	UNITED STATES	1.18%	RSR	USD
GCP Infrastructure Investments Ltd	Trust invests in renewables, based in Jersey U.K.	JERSEY	1.18%	RSR	GBP
SunPower Corp	Solar, efficient PV panels have all-rear-contact cells.	UNITED STATES	1.18%	RSR	USD
BCPG PCL	Solar and other renewable energy.	THAILAND	1.18%	RSR	THB
Sunrun Inc	Residential solar, leasing, PPA or purchase rooftop PV.	UNITED STATES	1.18%	RSR	USD

Superblock PCL	Solar, wind, and waste to energy, Thailand.	THAILAND	1.18% RSR	THB
Canadian Solar Inc	Solar, vertically integrated solar manufacturer, China.	CANADA	1.18% RSR	USD
JinkoSolar Holding Co Ltd	Solar, wafers through solar modules, China-based OEM.	CHINA	1.18% RSR	USD
Meyer Burger Technology AG	Solar, manufacturing equipment, Switzerland and worldwide.	SWITZERLAND	1.18% RSR	CHF
Encavis AG	Solar, large solar park operator, also wind, Germany.	GERMANY	0.34% RSR	EUR
Panda Green Energy Group Ltd	Solar plants, including 'Belt and Road Route' in Asia.	HONG KONG	0.34% RSR	HKD
Daqo New Energy Corp	Solar, high-purity polysilicon for producing solar wafers, China.	CHINA	0.34% RSR	USD
SPCG PCL	Solar, rooftops and solar farms, Thailand and Asia.	THAILAND	0.34% RSR	THB
Scatec Solar ASA	Solar power parks worldwide.	NORWAY	0.34% RSR	NOK
Enphase Energy Inc	Inverters, micro-products for each solar panel, storage.	UNITED STATES	0.34% RSR	USD
Vivint Solar Inc	Solar, one-stop installer of panels on homes in much of U.S.	UNITED STATES	0.34% RSR	USD
REC Silicon ASA	Silicon, large solar-grade silicon producer, Norway-and global.	UNITED STATES	0.34% RSR	NOK
Neo Solar Power Corp	Solar, aiming to be vertically-integrated, Taiwan.	TAIWAN	0.34% RSR	TWD
Gigasolar Materials Corp	Solar, conductive pastes in PV panel manufacturing.	TAIWAN	0.34% RSR	TWD
Motech Industries Inc	Solar, large producer of cells, modules, Taiwan.	TAIWAN	0.34% RSR	TWD
China Singyes Solar Technologies	Solar, also building integrated solar research. China.	HONG KONG	0.34% RSR	HKD
West Holdings Corp	Solar, Japan-focused residential and commercial PV.	JAPAN	0.34% RSR	JPY
Shunfeng International Clean Energy Ltd	Solar, large-solar in China, also growing elsewhere.	CHINA	0.34% RSR	HKD
Orsted A/S	Sustainable wind, biomass, largest energy company in Denmark.	DENMARK	1.52% RWD	DKK
Vestas Wind Systems A/S	Wind, major pioneer wind turbine manufacturer, Denmark.	DENMARK	1.52% RWD	DKK
Siemens Gamesa Renewable Energy SA	Wind, onshore & offshore, turbines and gearboxes, Spain	SPAIN	1.52% RWD	EUR
Xinjiang Goldwind Science	Wind, large turbine manufacturer, China.	CHINA	1.52% RWD	HKD
EDP Renovaveis SA	Wind power, among largest producers in world, Spain.	SPAIN	1.52% RWD	EUR
China Longyuan Power Group Corp Ltd	Wind, also in solar, biomass, geothermal, tidal.	CHINA	1.52% RWD	HKD
Huaneng Renewables Corp Ltd	Large power plants, R&D into better efficiency upstream.	CHINA	1.52% RWD	HKD
NRG Yield Inc	Contracted power generation, thermal, some renewables.	UNITED STATES	1.52% RWD	USD
China High Speed Transmission	Wind power, turbine gear boxes & transmissions.	HONG KONG	1.52% RWD	HKD
TransAlta Renewables Inc	Renewables, operating facilities in wind power, some hydro.	CANADA	1.52% RWD	CAD
Pattern Energy Group Inc	Wind farms, solar may be added for GW sized PPAs.	UNITED STATES	1.52% RWD	USD
Renewables Infrastructure Group Ltd/Th	Wind Farm & Solar Park revenues assets, U.K.	GUERNSEY	1.52% RWD	GBP
Boralex Inc	Renewables generation, develops, operates wind, hydro, solar.	CANADA	1.52% RWD	CAD
Nordex SE	Wind turbines, based in Germany/Europe and sells worldwide.	GERMANY	1.52% RWD	EUR
TPI Composites Inc	Wind Blades; also light-weighting for transportation.	UNITED STATES	1.52% RWD	USD
Greencoat UK Wind PLC/Funds	Infrastructure fund, invested in U.K. wind power assets.	BRITAIN	0.43% RWD	GBP
Senvion SA	Wind sector engineering services.	GERMANY	0.43% RWD	EUR
Falck Renewables SpA	Renewables wind, biomass, solar, waste-to-energy.	ITALY	0.43% RWD	EUR
China Power Clean Energy Development	Wind, hydro, solar, waste to energy etc in China.	HONG KONG	0.43% RWD	HKD
CS Wind Corp	Wind towers onshore, also offshore.	SOUTH KOREA	0.43% RWD	KRW
Gurit Holding AG	Composite Materials in wind, lightens cars, planes.	SWITZERLAND	0.43% RWD	CHF
Audax Renovables SA	Wind power, mainly, in Europe and Americas.	SPAIN	0.43% RWD	EUR
RENOVA Inc	Solar, Biomass, Wind, Geothermal in Asia.	JAPAN	0.43% RWD	JPY
Unison Co Ltd/South Korea	Wind power generation, wind parks.	SOUTH KOREA	0.43% RWD	KRW
PNE Wind AG	Wind, both onshore and offshore globally.	GERMANY	0.43% RWD	EUR

#### ADDITIONS

Willdan Group Inc		EEF
Ecopro Co Ltd		ENS
Falck Renewables SpA		RWD
Gurit Holding AG		RWD
Audax Renovables SA		RWD

#### DELETIONS