

LESSO



Guangdong Lesso Energy Storage Technology Co., Ltd

Daba Industrial Area, Longjiang Town, Foshan City, Guangdong Province, China

LESSO Group (2128) is listed in the Stock Exchange of Hong Kong.

 www.lessosolar.com  energy@lessosolar.com     LESSO Solar

A LESSO Solar Publication, July 2026.

Energy Storage Product Manual

Solar Inverter | Battery | EV Charger

A Bright and Exciting Journey

LESSO Group is a Hong Kong-listed (2128.HK) manufacturer of building materials with an annual revenue of over USD 4.38 billion from its global operations.

Guangdong Lesso Energy Storage Technology Co., Ltd. is a comprehensive energy storage technology integrator that specializes in R&D, production, sales, and after-sales services.

Our comprehensive product line ranges from residential energy storage, portable energy storage, industrial and commercial energy storage, inverters and EV charging equipment to other energy storage products. We are committed to providing safe, efficient, and comprehensive energy storage solutions.



USD4.38 bil
Annual Sales Revenue



40 years
Production Experience



3.5GWh+
Production Capacity



Product Certification



CE



3C



TUV NORD



RETIE



UN38.3



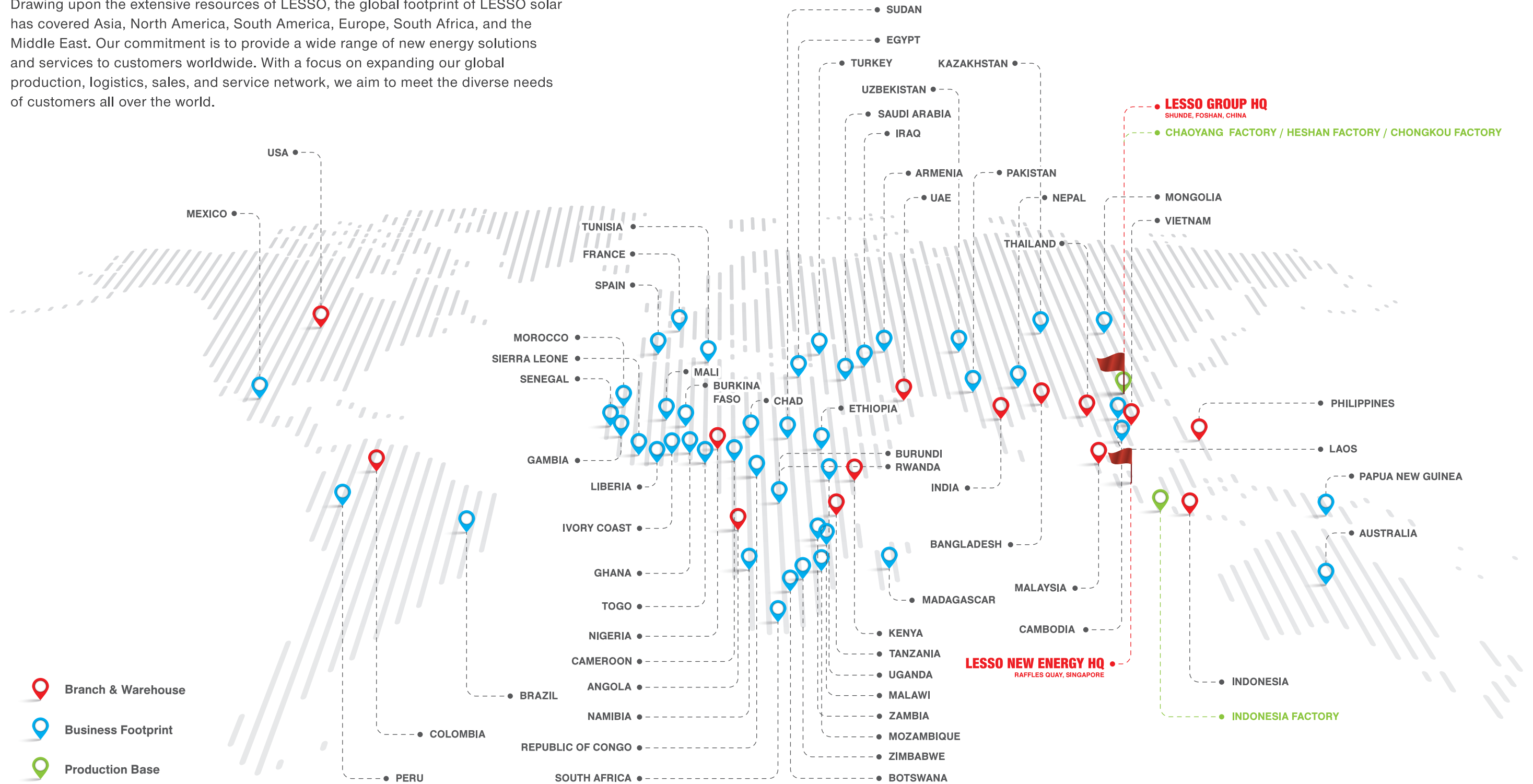
MSDS



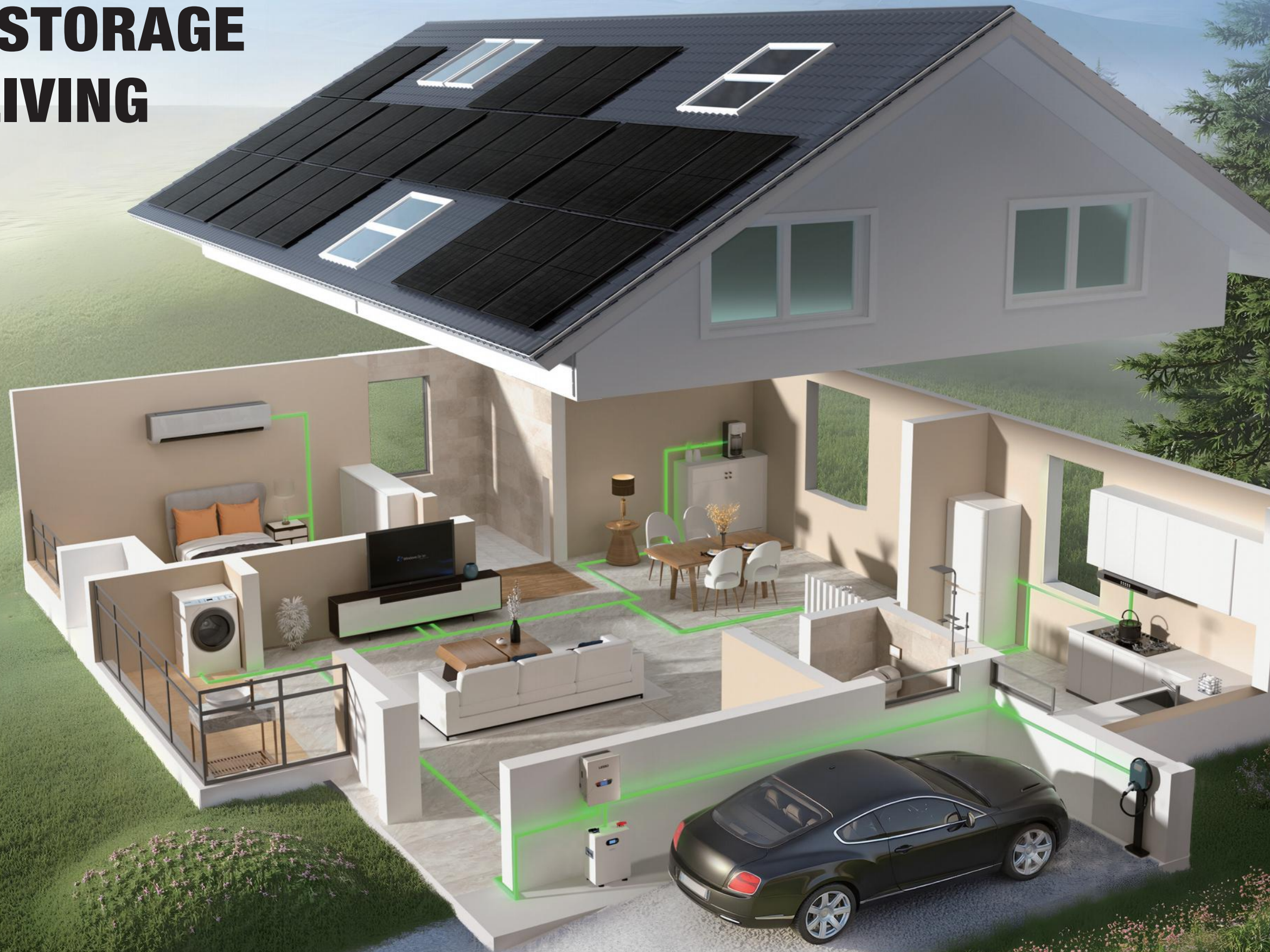
RoHS

LESSO Solar Global Footprint

Drawing upon the extensive resources of LESSO, the global footprint of LESSO solar has covered Asia, North America, South America, Europe, South Africa, and the Middle East. Our commitment is to provide a wide range of new energy solutions and services to customers worldwide. With a focus on expanding our global production, logistics, sales, and service network, we aim to meet the diverse needs of customers all over the world.



INTELLIGENT STORAGE FOR SMART LIVING



Inverter series

Safe and Reliable, User-friendly and Economical





Off-grid Inverter with MPPT

LES-402A2AF/622A4BF-TF

4kW/6.2kW | Single phase | 1 MPPT



Intelligent Charging, Safe & Reliable

Adaptive charging recognition and built-in battery activation enable safe, controllable charging



Intelligent Interconnection, Real-time Control

Supports remote monitoring via APP and web terminal, enabling visualized energy status and intelligent dispatch



Parallel Expansion, Flexible Capacity Expansion

Enables six-unit parallel connection with extensive power coverage for residential energy applications



Dual Output, Worry-free Power Supply

Enables load zoning management, enhancing power stability and energy utilization efficiency



Seamless Switching, Uninterrupted Power

Millisecond mode switching secures continuous power supply to critical loads during grid faults



Battery Compatible, Wide Adaptation

Fully compatible design suits mainstream lead-acid and LiFePO4 energy storage batteries

LESSO

Off-grid Inverter with MPPT

Model	LES-402A2AF-TF	LES-622A4BF-TF
Rated power	4kW	6.2kW
Parallel connections	/	1~6 units
AC Input Data		
Input format	Single-phase: L+N+PE	
Input rated voltage	220/230/240Vac	
Input voltage range	90~280VAC±3V (APL Mode), 170~280VAC±3V (UPS Mode)	
Input frequency range	50Hz/60Hz (Adaptive)	
Output		
Rated power	4kW	6.2kW
Peak power	8000VA	12400VA
Output voltage	220/230/240Vac±5%	
Output frequency	50Hz/60Hz±0.1%	
Output waveform	Pure Sine Wave	
Switching time	≤20ms	
Rated output current	17.4A	26.9A
Overload capacity	Battery Mode: 11s@105%~150% Load; 2s@150%~200% Load	
PV Charging And AC Charging		
Charging method	MPPT* 1	
Maximum input power	6500W	8500W
Maximum PV input voltage	500Vdc	
MPPT voltage range	60-500Vdc	
Starting voltage	90Vdc	
Maximum PV input current	27A	
Maximum PV charging current	120A	
Maximum AC charging current	100A	
Maximum charging current	120A	
Battery		
Rated voltage	24Vdc	48Vdc
Constant voltage charging voltage (settable)	28.2Vdc	56.4Vdc
Constant voltage charging voltage (settable)	27Vdc	54Vdc
Other Parameters		
Display	LCD	
Communication	RS232/RS485/Dry Contact (Optional: WIFI data collector)	
Operating temperature range	-10~+50℃	
Humidity range	20~95% (No-condensation)	
Altitude	≤1000m, >1000m derated	
Cooling method	Built-in fan	
Net weight	9.16kg	10.33kg
Machine size (H×W×D)	495×312×125mm	
Gross weight	10.51kg	11.57kg
Package size (L×W×H)	565×390×200mm	565×397×200mm
IP rating	IP21	

Remarks: Specifications are subject to change without notice.



Hybrid Inverter

LEC-622A4B2F2-TF

6.2kW | Single phase | 1 MPPT



Intelligent Charging, Safe & Reliable

Adaptive charging recognition and built-in battery activation enable safe, controllable charging



Intelligent Interconnection, Real-time Control

Supports remote monitoring via APP and web terminal, enabling visualized energy status and intelligent dispatch



Parallel Expansion, Flexible Capacity Expansion

Enables six-unit parallel connection with extensive power coverage for residential energy applications



Dual Output, Worry-free Power Supply

Enables load zoning management, enhancing power stability and energy utilization efficiency



Load Expansion, Unlimited Power

Expands loads via dedicated wiring to break power limits and attain unrestricted load capacity



Anti-reflux Compliance, Economical Power Use

Equipped with CT intelligent anti-reflux monitoring to precisely regulate current flow, ensuring full compliance and power savings

LESSO

Hybrid Inverter

Model	LEC-622A4B2F2-TF
Battery Input Data	
Battery type	Lithium or lead acid battery
Rated voltage	48V
Maximum charge/Discharge current	120A/143A
PV Input Data	
Maximum DC input power	8500W
Maximum DC input voltage	500Vdc
MPPT voltage range	60~500Vdc
Starting voltage	90Vdc
Maximum input current	27A
MPPT number	1
AC Output Parameters (On-Grid)	
Rated output apparent power	6200VA
Rated output voltage	220/230/240Vac, L+N+PE
Rated output frequency	50Hz/60Hz
Max output current	26.9A
Output power factor	1 (-0.8 leading~+0.8 lagging)
AC Output Parameters (Off-Grid)	
Rated output apparent power	6200W
P-P output power	>200%, 400ms
Rated output voltage	220/230/240Vac, L+N+PE
Rated output frequency	50Hz/60Hz
Rated output current	26.9A
Efficiency	
Maximum efficiency (PV)	98%
Maximum efficiency (BAT)	94%
Other Parameters	
Display	LCD
Communication	RS232/RS485/Dry Contact (Optional: WIFI data collector)
Parallel connections	1~6 units
Anti-Backfeed function	Yes
Operating temperature range	-10~+50°C
Humidity range	20~95% (No-condensation)
Altitude	≤1000m, >1000m derated
Cooling method	Intelligent forced air cooling
Net weight	11.60kg
Machine size (H×W×D)	483×313×143mm
Gross weight	13.06kg
Package size (L×W×H)	560×382×215mm
IP rating	IP21
Topology	HF isolation (Battery side)

Remarks: Specifications are subject to change without notice.

LESSO



Hybrid Inverter

LEC-802A3BD-AT

8kW | Single phase | 2 MPPTs



Parallel Expansion, Flexible Capacity Expansion

Enables six-unit parallel connection with extensive power coverage for residential energy applications



Fast Charge & Discharge, Powerful Load Capacity

Delivers 190A rapid charge-discharge capacity to instantly satisfy high-load power demands



Battery Compatible, Wide Adaptation

Fully compatible design suits mainstream lead-acid and LiFePO4 energy storage batteries



Smart Charging, Energy & Cost Saving

Adopt six-stage intelligent charging management and support customized energy scheduling plans



IP66 Protection, Outdoor Reliable

Features IP66 dustproof and waterproof grade, adaptable to various complex installation scenarios



Dual Control Management, Efficient Operation

Supports remote monitoring and local touch screen operation

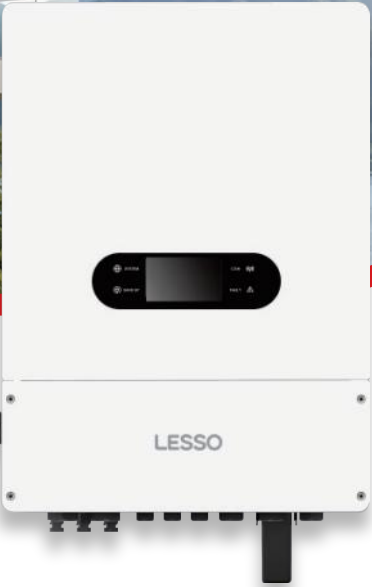
LESSO

Hybrid Inverter

Model	LEC-802A3BD-AT
Battery Input Data	
Battery type	Lithium or lead acid battery
Rated voltage	48V
Maximum charge/Discharge current	190A/190A
PV Input Data	
Maximum DC input power	16000W
Maximum DC input voltage	500V
MPPT voltage range	150~450V
Starting voltage	125V
Maximum input current	30A/18A
MPPT number	2
AC Output Parameters (On-Grid)	
Rated output apparent power	8800VA
Rated output voltage	220/230Vac L+N+PE
Rated output frequency	50Hz/60Hz
Max output current	40A
Output power factor	1 (-0.8 leading~+0.8 lagging)
AC Output Parameters (Off-Grid)	
Rated output apparent power	8000W
P-P output power	>200%, 15sec
Rated output voltage	220/230Vac L+N+PE
Rated output frequency	50Hz/60Hz
Rated output current	40A
Efficiency	
Maximum efficiency (PV)	98%
Maximum efficiency (BAT)	94.5%
Other Parameters	
Display	LCD
Communication	USB/RS485/CAN/Dry Contact
Parallel connections	1~6 units
Anti-Backfeed function	Yes
Operating temperature range	-40~60°C (>45°C derated)
Humidity range	0~95%
Altitude	≤4000m, (>2000m derated)
Cooling method	Intelligent forced air cooling
Net weight	22.2kg
Machine size (H×W×D)	554×427×198mm
Gross weight	26kg
Package size (L×W×H)	615×485×285mm
IP rating	IP66
Topology	HF isolation (Battery side)

Remarks: Specifications are subject to change without notice.

LESSO



Hybrid Inverter

LEC-123B3BD-AT

12kW | Three phase | 2 MPPTs



Parallel Expansion, Flexible Capacity Expansion
Enables six-unit parallel connection with extensive power coverage for residential energy applications



Fast Charge & Discharge, Powerful Load Capacity
Delivers 250A rapid charge-discharge capacity to instantly satisfy high-load power demands



Battery Compatible, Wide Adaptation
Fully compatible design suits mainstream lead-acid and LiFePO4 energy storage batteries



Smart Charging, Energy & Cost Saving
Adopt six-stage intelligent charging management and support customized energy scheduling plans



IP66 Protection, Outdoor Reliable
Features IP66 dustproof and waterproof grade, adaptable to various complex installation scenarios



Dual Control Management, Efficient Operation
Supports remote monitoring and local touch screen operatio

LESSO

Hybrid Inverter

Model	LEC-123B3BD-AT
Battery Input Data	
Battery type	Lithium or lead acid battery
Rated voltage	48V
Maximum charge/Discharge current	250A/250A
PV Input Data	
Maximum DC input power	24kW
Maximum DC input voltage	1000V
MPPT voltage range	200~800V
Starting voltage	150V
Maximum input current	36A/18A
MPPT number	2
AC Output Parameters (On-Grid)	
Rated output apparent power	13200VA
Rated output voltage	230/400Vac 3W+N+PE
Rated output frequency	50Hz/60Hz
Max output current	20A
Output power factor	1 (-0.8 leading~+0.8 lagging)
AC Output Parameters (Off-Grid)	
Rated output apparent power	12000W
P-P output power	>200%, 15sec
Rated output voltage	230/400Vac 3W+N+PE
Rated output frequency	50Hz/60Hz
Rated output current	20A
Efficiency	
Maximum efficiency (PV)	98%
Maximum efficiency (BAT)	94.5%
Other Parameters	
Display	LCD
Communication	USB/RS485/CAN/Dry Contact
Parallel connections	1~6 units
Anti-Backfeed function	Yes
Operating temperature range	-25~60°C (>45°C derated)
Humidity range	0~95%
Altitude	≤4000m, (>2000m derated)
Cooling method	Intelligent forced air cooling
Net weight	37.3kg
Machine size (H×W×D)	683×475×256mm
Gross weight	43.2kg
Package size (L×W×H)	760×540×365mm
IP rating	IP66
Topology	HF isolation (Battery side)

Remarks: Specifications are subject to change without notice.



Hybrid Inverter

LEC-802/103A3BF

8/10kW | Single phase | 2 MPPTs



Parallel Expansion, Flexible Capacity Expansion

Enables six-unit parallel connection with extensive power coverage for residential energy applications



Fast Charge & Discharge, Powerful Load Capacity

Delivers 200A rapid charge-discharge capacity to instantly satisfy high-load power demands



Seamless Switching, Energy Conservation

Auto enable energy-saving mode under no load to reduce unnecessary power loss



High-efficiency MPPT, Precise Regulation

Dual independent MPPT achieves 99.9% tracking efficiency for flexible array power allocation



Smart Charging, Energy & Cost Saving

Adopt three-stage intelligent charging management and support customized energy scheduling plans



Comprehensive Protection, Multi-port Interconnection

Built-in overvoltage, overload and overheat protection, fitted with RS485/CAN communication ports

LESSO

Hybrid Inverter

Model	LEC-802A3BF	LEC-103A3BF
Battery Input Data		
Battery type	Lithium or lead acid battery	
Rated voltage	48V	
Maximum charge/Discharge current	190A/190A	200A/200A
PV Input Data		
Maximum DC input power	15200W	16000W
Maximum DC input voltage	500V	
MPPT voltage range	125~435V	
Starting voltage	150V	
Maximum input current	22A/22A	23A/23A
MPPT number	2	
AC Output Parameters (On-Grid)		
Rated output apparent power	8000VA	10000VA
Rated output voltage	200/208/220/230/240Vac, L+N+PE	
Rated output frequency	50Hz/60Hz	
Max output current	40A	45A
Output power factor	1 (-0.8 leading~+0.8 lagging)	
AC Output Parameters (Off-Grid)		
Rated output apparent power	8000W	10000W
P-P output power	>110%, 1sec	
Rated output voltage	200/208/220/230/240Vac, L+N+PE	
Rated output frequency	50Hz/60Hz	
Rated output current	40A	45A
Efficiency		
Maximum efficiency (PV)	92%	
Maximum efficiency (BAT)	94.5%	
Other Parameters		
Display	LCD	
Communication	USB/RS485/CAN/Dry Contact	
Parallel connections	1~6 units	
Anti-Backfeed function	Yes	
Operating temperature range	-10~55℃ (>45℃ derated)	
Humidity range	20~95% (No-condensation)	
Altitude	≤2000m	
Cooling method	Intelligent forced air cooling	
Net weight	28kg	
Machine size (H×W×D)	620×445×130mm	
Gross weight	30.8kg	
Package size (L×W×H)	785×565×246mm	
IP rating	IP20	
Topology	HF isolation (Battery side)	

Remarks: Specifications are subject to change without notice.

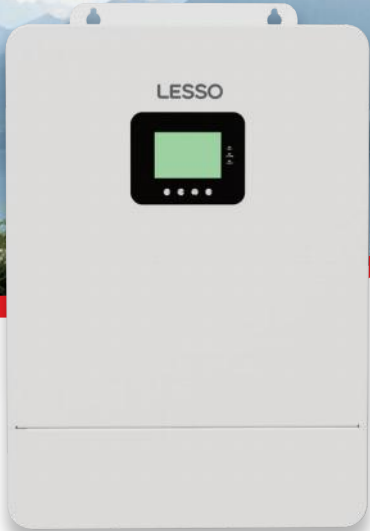
LESSO



Hybrid Inverter

LEC-402/502/652E5B1F

4kW/5kW/6.5kW | Split phase | 1 MPPT



Parallel Expansion, Flexible Capacity Expansion

Enables six-unit parallel connection with extensive power coverage for residential energy applications



Dual Voltage Output, Wide Compatibility

Supports 120/240V dual voltage output, compatible with power standards across diverse regions



Seamless Switching, Energy Conservation

Auto enable energy-saving mode under no load to reduce unnecessary power loss



High-efficiency MPPT, Precise Regulation

The MPPT achieves 99.9% tracking efficiency for flexible array power allocation



Smart Charging, Energy & Cost Saving

Adopt three-stage intelligent charging management and support customized energy scheduling plans



Comprehensive Protection, Multi-port Interconnection

Built-in overvoltage, overload and overheat protection, fitted with RS485/CAN communication ports

LESSO

Hybrid Inverter

Model	LEC-402E5B1F		LEC-502E5B1F		LEC-652E5B1F	
Battery Input Data						
Battery type	Lithium or lead acid battery					
Rated voltage	48V					
Maximum charge/Discharge current	100A/100A	120A/120A		125A/125A		
PV Input Data						
Maximum DC input power	6000W	10000W		12000W		
Maximum DC input voltage	500V					
MPPT voltage range	125~435V					
Starting voltage	150V					
Maximum input current	18A/18A	20A/20A		20A/20A		
MPPT number	1					
AC Output Parameters (On-Grid)						
Rated output apparent power	4000VA	5000VA		6500VA		
Rated output voltage	120/240VAC, Single-phase/Split-phase, L1/N/L2					
Rated output frequency	50Hz/60Hz					
Max output current	26.2A	32.7A		42.6A		
Output power factor	1 (-0.8 leading~+0.8 lagging)					
AC Output Parameters (Off-Grid)						
Rated output apparent power	4000W	5000W		6500W		
P-P output power	>110%, 1sec					
Rated output voltage	120/240VAC, Single-phase/Split-phase, L1/N/L2					
Rated output frequency	50Hz/60Hz					
Rated output current	26.2A	32.7A		42.6A		
Efficiency						
Maximum efficiency (PV)	99%					
Maximum efficiency (BAT)	94.5%					
Other Parameters						
Display	LCD					
Communication	USB/RS485/CAN/Dry Contact					
Parallel connections	1~6 units					
Anti-Backfeed function	Yes					
Operating temperature range	-10~55°C (>45°C derated)					
Humidity range	20~95% (No-condensation)					
Altitude	≤2000m					
Cooling method	Intelligent forced air cooling					
Net weight	25kg					
Machine size (H×W×D)	496×356×130mm					
Gross weight	28kg					
Package size (L×W×H)	628×452×246mm					
IP rating	IP20					
Topology	HF isolation (Battery side)					

Remarks: Specifications are subject to change without notice.

LESSO



Hybrid Inverter

LEC-802/103E5B1F

8/10kW | Split phase | 2 MPPTs



Parallel Expansion, Flexible Capacity Expansion

Enables six-unit parallel connection with extensive power coverage for residential energy applications



Dual Voltage Output, Wide Compatibility

Supports 120/240V dual voltage output, compatible with power standards across diverse regions



Seamless Switching, Energy Conservation

Auto enable energy-saving mode under no load to reduce unnecessary power loss



High-efficiency MPPT, Precise Regulation

Dual independent MPPT achieves 99.9% tracking efficiency for flexible array power allocation



Smart Charging, Energy & Cost Saving

Adopt three-stage intelligent charging management and support customized energy scheduling plans



Comprehensive Protection, Multi-port Interconnection

Built-in overvoltage, overload and overheat protection, fitted with RS485/CAN communication ports

LESSO

Hybrid Inverter

Model	LEC-802E5B1F	LEC-103E5B1F
Battery Input Data		
Battery type	Lithium or lead acid battery	
Rated voltage	48V	
Maximum charge/Discharge current	190A/190A	200A/200A
PV Input Data		
Maximum DC input power	15200W	16000W
Maximum DC input voltage	500V	
MPPT voltage range	125~435V	
Starting voltage	150V	
Maximum input current	22A/22A	23A/23A
MPPT number	2	
AC Output Parameters (On-Grid)		
Rated output apparent power	8000VA	10000VA
Rated output voltage	200/208/220/230/240Vac, L+N+PE	
Rated output frequency	50Hz/60Hz	
Max output current	40A	45A
Output power factor	1 (-0.8 leading~+0.8 lagging)	
AC Output Parameters (Off-Grid)		
Rated output apparent power	8000W	10000W
P-P output power	>110%, 1sec	
Rated output voltage	200/208/220/230/240Vac, L+N+PE	
Rated output frequency	50Hz/60Hz	
Rated output current	40A	45A
Efficiency		
Maximum efficiency (PV)	99%	
Maximum efficiency (BAT)	94.5%	
Other Parameters		
Display	LCD	
Communication	USB/RS485/CAN/Dry Contact	
Parallel connections	1~6 units	
Anti-Backfeed function	Yes	
Operating temperature range	-10~55℃ (>45℃ derated)	
Humidity range	20~95% (No-condensation)	
Altitude	≤2000m	
Cooling method	Intelligent forced air cooling	
Net weight	28.2kg	
Machine size (H×W×D)	620×445×130mm	
Gross weight	31kg	
Package size (L×W×H)	785×565×246mm	
IP rating	IP20	
Topology	HF isolation (Battery side)	

Remarks: Specifications are subject to change without notice.

Batteries series

Light Up Every Household





LYB-3K8BL7-TC

Battery Module 3.84kWh



Long Lifespan, Cost Efficient

Boasts longer cycle life than lead-acid batteries, cutting replacement times and full-life costs



High Power Output, Superior Load Performance

Delivers twice the power output of equivalent lead-acid cells, maintains steady capacity during high-rate discharge



Modular Design, Flexible Expansion

Supports series-parallel combination, enabling flexible system capacity configuration per power demand



Lightweight Design, Easy Installation

Merely 40% weight of same-spec lead-acid batteries, easy to carry and install, direct replacement with no extra renovation



Multiple Protection, Safe & Reliable

Built-in intelligent BMS realizes full-range automatic protection, ensuring stable and secure equipment operation



Wide Temp Adaptation, Stable Operation

Stably operates at -20°C~60°C, ensures steady power supply in extreme climates

LESSO

Battery Module

Model	LYB-3K8BL7-TC
Key Parameters	
Cell chemistry	LiFePO4
Rated energy	3.84kWh
Nominal capacity	150Ah
Nominal voltage	25.6V
Charge Cut-Off voltage	29.2V
Discharge Cut-Off voltage	22.4V
Recommended charge/Discharge current	75A/75A
Max. Continuous charge current	150A
Max. Continuous discharge current	150A
Cycle life	≥3000 Cycles (1C@25°C, 100%DOD)
Recommended depth of discharge (DOD)	80%
Environmental Parameters	
Charge operating temperature	0~45°C
Discharge operating temperature	-20~60°C
Storage temperature	-5~35°C
Humidity range	60±25%RH
Altitude	≤3000m
IP rating	IP65
Mechanical Parameters	
Net weight	29kg
Machine size (H×W×D)	522×244×223mm
Gross weight	31kg
Package size (L×W×H)	575×290×283mm
Other Parameters	
Communication	/
Parallel connections	4 Units
Series connections	2 Units
Installation method	Ground placement
Cooling method	Natural convection
Standards and certifications	UN38.3/MSDS

* 1: Current is affected by temperature and SOC.
* 2: During long-term idle storage, charge the battery once every 3 months.
* 3: Please note, product specifications are subject to change without notice.



LESSO

LSM025.6V200AH-B01

Battery Module 5.12kWh



Long Lifespan, Cost Efficient

Boasts longer cycle life than lead-acid batteries, cutting replacement times and full-life costs



High Power Output, Superior Load Performance

Delivers twice the power output of equivalent lead-acid cells, maintains steady capacity during high-rate discharge



Modular Design, Flexible Expansion

Supports series-parallel combination, enabling flexible system capacity configuration per power demand



Lightweight Design, Easy Installation

Merely 40% weight of same-spec lead-acid batteries, easy to carry and install, direct replacement with no extra renovation



Multiple Protection, Safe & Reliable

Built-in intelligent BMS realizes full-range automatic protection, ensuring stable and secure equipment operation



Wide Temp Adaptation, Stable Operation

Stably operates at -20°C~60°C, ensures steady power supply in extreme climates

LESSO

Battery Module

Model	LSM025.6V200AH-B01
Key Parameters	
Cell chemistry	LiFePO4
Rated energy	5.12kWh
Nominal capacity	200Ah
Nominal voltage	25.6V
Charge Cut-Off voltage	29.6V
Discharge Cut-Off voltage	21.6V
Recommended charge/Discharge current	100A/100A
Max. Continuous charge current	100A
Max. Continuous discharge current	100A
Cycle life	≥6000 Cycles (0.5C@25°C, 80%DOD)
Recommended depth of discharge (DOD)	80%
Environmental Parameters	
Charge operating temperature	0~55°C
Discharge operating temperature	-20~55°C
Storage temperature	0°C~35°C
Humidity range	60±25%RH
Altitude	≤3000m
IP rating	IP20
Mechanical Parameters	
Net weight	36kg
Machine size (H×W×D)	522×242×220mm
Gross weight	37.5kg
Package size (L×W×H)	577×293×276mm
Other Parameters	
Communication	RS485
Parallel connections	4 Units
Series connections	4 Units
Installation method	Ground placement
Cooling method	Natural convection
Standards and certifications	UN38.3/MSDS/RETIE

* 1: Current is affected by temperature and SOC.
* 2: During long-term idle storage, charge the battery once every 3 months.
* 3: Please note, product specifications are subject to change without notice.



LHD-51F205L1C-C2

Battery Series 10kWh | Low voltage battery

- 

Safe Core Cells, Flame Retardant
Adopting high-safety LFP cells with built-in flame-retardant features to deliver worry-free application
- 

Wall-mounted Layout, Space-efficient
Adopts wall-mounted structure to vacate floor space, adapts to diverse scenarios and elevates installation efficiency
- 

Flexible Scaling, Multi-unit Parallel
Supporting expandable multi-unit configuration, the system enables synchronous parallel connection of up to 16 units
- 

Ultra-long Lifespan, Cost Optimization
Designed with 10-year service life and superior cycle performance, greatly reduce overall operating costs
- 

Wide Compatibility, Seamless Integration
Compatible with mainstream brand inverters, seamlessly integrated into existing household energy systems



Multi-protection, Full Safeguard
Built-in diverse safety mechanisms, secure equipment operation and reduce usage risks



LESSO

Battery Series

Model	LHD-51F205L1C-C2
Key Parameters	
Cell chemistry	LiFePO4
Rated energy	10.49kWh
Nominal capacity	205Ah
Nominal voltage	51.2V
Charge Cut-Off voltage	58V
Discharge Cut-Off voltage	44V
Recommended charge/Discharge current	100A/100A
Max. Continuous charge current	150A
Max. Continuous discharge current	150A
Cycle life	≥6000 Cycles (0.5C@25°C, 80%DOD)
Recommended depth of discharge (DOD)	80%
Environmental Parameters	
Charge operating temperature	0~50°C
Discharge operating temperature	-20~55°C
Storage temperature	-10~+35°C
Humidity range	65±20%RH
Altitude	≤2000m
IP rating	IP20
Mechanical Parameters	
Net weight	86.5kg
Machine size (H×W×D)	700×400×240mm
Gross weight	97.6kg
Package size (L×W×H)	810×460×365mm
Other Parameters	
Display	LCD
Communication	CAN/RS485
Parallel connections	1~16 Units
Installation method	Wall/Floor-mounted
Cooling method	Natural convection
Standards and certifications	UN38.3/MSDS

* 1: Current is affected by temperature and SOC.
* 2: During long-term idle storage, charge the battery once every 3 months.
* 3: Please note, product specifications are subject to change without notice.



LHD-51F314L1C-ZT

Battery Series 16kWh | Low voltage battery



Safe Core Cells, Flame Retardant
Adopting high-safety LFP cells with built-in flame-retardant features to deliver worry-free application



Floor Deployment, Flexible Arrangement
Adopting floor-standing configuration, free from spatial constraints and compatible with diversified site conditions



Flexible Scaling, Multi-unit Parallel
Supporting expandable multi-unit configuration, the system enables synchronous parallel connection of up to 63 units



Ultra-long Lifespan, Cost Optimization
Designed with 10-year service life and superior cycle performance, greatly reduce overall operating costs



Wide Compatibility, Seamless Integration
Compatible with mainstream brand inverters, seamlessly integrated into existing household energy systems



Multi-protection, Full Safeguard
Built-in diverse safety mechanisms, secure equipment operation and reduce usage risks



LESSO

Battery Series

Model	LHD-51F314L1C-ZT
Key Parameters	
Cell chemistry	LiFePO4
Rated energy	16.076 kWh
Nominal capacity	314Ah
Nominal voltage	51.2V
Charge Cut-Off voltage	57.6V
Discharge Cut-Off voltage	44.8V
Recommended charge/Discharge current	157A/157A
Max. Continuous charge current	200A
Max. Continuous discharge current	200A
Cycle life	≥6000 Cycles (0.5C@25°C, 80%DOD)
Recommended depth of discharge (DOD)	80%
Environmental Parameters	
Charge operating temperature	0~+50°C
Discharge operating temperature	-20~+55°C
Storage temperature	-10~+35°C
Humidity range	65±20%RH
Altitude	≤2000m
IP rating	IP20
Mechanical Parameters	
Net weight	127.5kg
Machine size (H×W×D)	976×460×245mm
Gross weight	153.5kg
Package size (L×W×H)	1118×659×413mm
Other Parameters	
Display	LCD
Communication	CAN/RS485
Parallel connections	1~63 Units
Installation method	Floor-mounted
Cooling method	Natural convection
Standards and certifications	UN38.3/MSDS

* 1: Current is affected by temperature and SOC.
* 2: During long-term idle storage, charge the battery once every 3 months.
* 3: Please note, product specifications are subject to change without notice.

EV Charger

High Power, Plug and Charge



LESSO



LSACS-E

AC EV Charger 7kW | Single phase

LESSO

AC EV Charger



LSACS-E-32/230-B01-1
LSACS-E-32/230-B01-2



LSACS-E-32/230-B02-1
LSACS-E-32/230-B02-2

- 🛡️

Card Access Authorization, Comprehensive Anti-Theft
- 🔋

Auto Full-Charge Cutoff , Battery Lifespan Safeguard
- 📜

Authoritative Certifications, Exquisite Craftsmanship
- 🛡️

High-Grade Protection, Outdoor Reliability
- 🌡️

Wide-Temperature Operation, Stable Performance
- 🔥

Flame-Retardant Casing, Safety Upgrade

Model	LSACS-E-32/230-B01-1		LSACS-E-32/230-B01-2	LSACS-E-32/230-B02-1	LSACS-E-32/230-B02-2
Product configuration	Home edition				
Product color	Dark green				
Rated power	7kW				
Output current	32A				
Rated voltage	230Vac				
Input wiring	Single-phase: L1+N+PE				
Plug type	Type 2				
Start mode	Swipe card	Swipe card + Bluetooth		Swipe card	Swipe card + Bluetooth
Machine size (W×H×D)	214×342×116mm				
IP rating	Charging gun head IP66/EV charger IP55				
Display mode	LED lights			LCD display	
Installation method	Wall mounted				
Flame retardant rating	UL94-V0				
Cable length	5m (Customizable)				
Applicable standards	IEC 62196-1:2022, IEC 61851-1-2017				
Operating temperature range	-25°C~+50°C				
Operating humidity range	≤90%				
Operating altitude	<2000m				

Remarks: Specifications are subject to change without notice.

LESSO



LGE-702A1C1E1-XC

AC EV Charger 7kW | Single phase

LESSO

AC EV Charger



Residential & Commercial, Multiple Modes Available



High-Grade Protection, Outdoor Reliability



Wall & Pole Mount, Flexible Installation



Wide-Temperature Operation, Stable Performance



Authoritative Certifications, Exquisite Craftsmanship



Flame-Retardant Casing, Safety Upgrade

Model	LGE-702A1C1E1-XC
Product configuration	Home edition/Commercial edition
Product color	Silver
Rated power	7kW
Output current	32A
Rated voltage	220Vac
Input wiring	Single-phase: L1+N+PE
Plug type	GB/T
Start mode	Standard: Swipe card (Optional: Swipe card + Bluetooth/Swipe card + 4G/Commercial edition)
Machine size (W×H×D)	226×341×100mm
IP rating	Charging gun head IP66/EV charger IP55
Display mode	LED lights
Installation method	Wall/Pole mount
Flame retardant rating	UL94-V0
Cable length	4m (Customizable)
Applicable standards	GB 39752-2024, GB 44263-2024
Operating temperature range	-25°C~+50°C
Operating humidity range	≤90%
Operating altitude	<2000m

Remarks: Specifications are subject to change without notice.

LESSO



LGE-702A1C1C1-XA

AC EV Charger 7kW | Single phase

LESSO

AC EV Charger



Residential & Commercial, Multiple Modes Available



High-Grade Protection, Outdoor Reliability



Wall & Pole Mount, Flexible Installation



Wide-Temperature Operation, Stable Performance



Authoritative Certifications, Exquisite Craftsmanship



Flame-Retardant Casing, Safety Upgrade

Model	LGE-702A1C1C1-XA
Product configuration	Home edition/Commercial edition
Product color	Brilliant silver
Rated power	7kW
Output current	32A
Rated voltage	220Vac
Input wiring	Single-phase: L1+N+PE
Plug type	GB/T
Start mode	Standard: Swipe card (Optional: Swipe card + Bluetooth/Swipe card + 4G/Commercial edition)
Machine size (W×H×D)	250×430×104mm
IP rating	Charging gun head IP66/EV charger IP55
Display mode	LCD display
Installation method	Wall/Pole mount
Flame retardant rating	UL94-V0
Cable length	4m (Customizable)
Applicable standards	GB 39752-2024, GB 44263-2024
Operating temperature range	-25°C~+50°C
Operating humidity range	≤90%
Operating altitude	<2000m

Remarks: Specifications are subject to change without notice.



LESSO

LSAC-3K5/7K

Portable EV Charger 3.5kW / 7kW

LESSO

Portable EV Charger



LSAC3K5-P-C1



LSAC3K5-P-C2



LSAC7K-P-C1

- ⚡

Plug & Play, Flexible Charging
- 🔧

Compact Body, Portable Installation
- 🔋

Auto Full-Charge Cutoff, Battery Lifespan Safeguard
- 🛡️

High-Grade Protection, Outdoor Reliability
- 🌡️

Wide-Temperature Operation, Stable Performance
- 🔥

Flame-Retardant Casing, Safety Upgrade

Model	LSAC3K5-P-C1	LSAC3K5-P-C2	LSAC7K-P-C1
Product configuration	Home edition		
Product color	Black top cover, white bottom cover		
Rated power	3.5kW		7kW
Output current	13A		32A
Rated voltage	230Vac		
Input wiring	Single-phase: L1+ N+PE		
Plug type	GB/T		
Start mode	Plug and play		
Machine size (W×H×D)	200×90×55mm		
IP rating	Charging gun head IP66/EV charger IP55		
Display mode	LED lights	2.4 "color TFT screen	LED lights
Installation method	Portable		
Flame retardant rating	UL94-V0		
Cable length	5m (Customizable)		
Applicable standards	GB/T20234.1-2023,GB/T18487.1-2023		
Operating temperature range	-25°C~+50°C		
Operating humidity range	≤90%		
Operating altitude	<2000m		

Remarks: Specifications are subject to change without notice.