Lenercom

Lenercom ESS-xxk

CE IEC UN38.3 MUSE DESIGN AWARDS iF DESIGN AWARD 2022

Rated Power:	xxkW
Battery Capacity:	xx—xxkWh

Security Protection

Voltage stabilization,short circuit protection of household applications

Safety protection

Stable voltage, home load shortcircuit protection technology

Intelligent Control

APP Remote MonitoringFault Automatic Repair

ENERGIZE THE WORLD

Technical Parameters

LC-E2-305

LC-E2-310

LC-E2-315

LC-E2-320

Performance Specifications

Phase	Single Phase
Rated Output Power	3000W
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	1~4
Rated Voltage	51.2V
Usable Capacity Range	5.12-20.48kWh
Battery Type	$LiFePO_4$
Rated Output Voltage	(220V~240V) ±5%
Rated Output Current	13.0A
Grid Voltage Range	170-280V(UPS) 90-280V(APL) 183-253V(VDE)
Max.PV Input Power	4000W
MPPT Voltage Range	64~130V
Max. PV Voltage	145V
Max. Efficiency	93%
MPPT efficiency	98%
Grounding Mode	TN-S
Switching Time	10ms(UPS、VDE) 20ms(APL)
THDU	≤2%
Warranty*	5 years Inverter Warranty 10 years Battery Warranty

*Please observe our applicable warranty conditions.

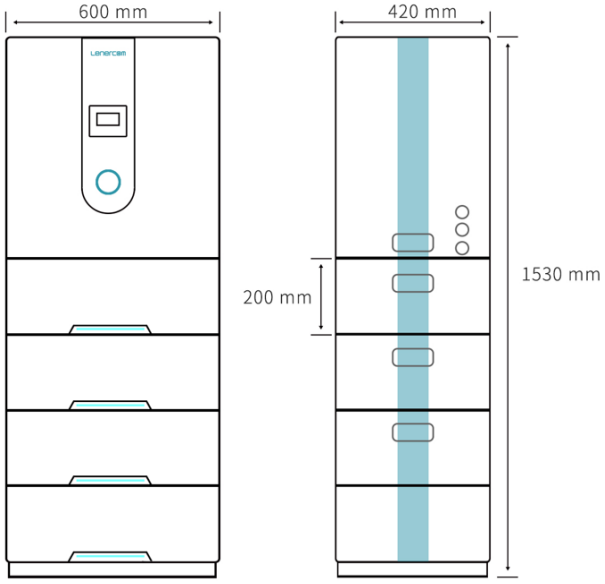
Approval Standards

Safety Code	IEC 62109-1/-2 IEC 62477
EMC	ENIEC61000-6-1:2019 ENIEC61000-6-3:2021

Mechanical Specifications*

Inverter Dimensions	600/420/600mm
Battery Dimensions	600/420/200mm
Base Dimensions	600/420/130mm
Mounting Options	Stacking

*The dimension of the product shall be subject to the real object, with a tolerance of ±3%.



*The dimension of the above picture corresponds to the product model: LC-E2-320

Environmental Specifications

Operating Temperature*	-15℃~55℃
Recommend Temperature	25℃±5℃
Altitude	≤2000M
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

* When the temperature is below 0°C or above 40°C, the performance will be limited.

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Technical Parameters

LC-E2-405

LC-E2-410

LC-E2-415

LC-E2-420

LC-E2-425

Performance Specifications

Phase	Single Phase
Rated Output Power	4000W
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	1~5
Rated Voltage	51.2V
Usable Capacity Range	5.12~25.6kWh
Battery Type	$LiFePO_4$
Rated Output Voltage	(220V~240V) ±5%
Rated Output Current	17.4A
Grid Voltage Range	170-280V(UPS) 90-280V(APL) 183-253V(VDE)
Max.PV Input Power	4000W
MPPT Voltage Range	64~130V
Max. PV Voltage	145V
Max. Efficiency	93%
MPPT efficiency	98%
Grounding Mode	TN-S
Switching Time	10ms(UPS、VDE) 20ms(APL)
THDU	≤2%
Warranty*	5 years Inverter Warranty 10 years Battery Warranty

*Please observe our applicable warranty conditions.

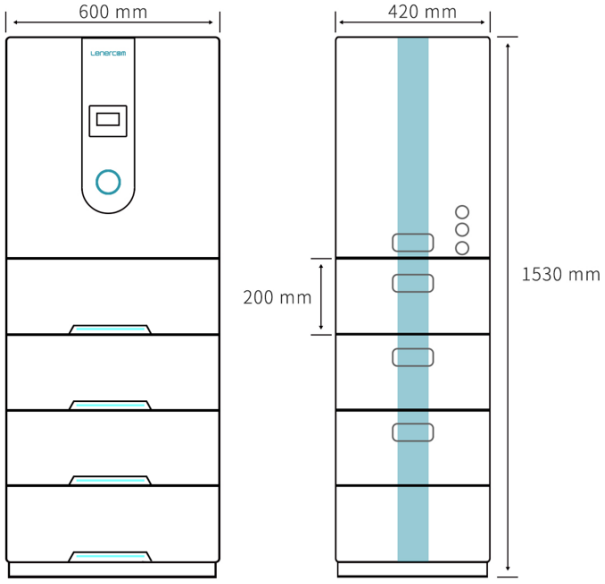
Approval Standards

Safety Code	IEC 62109-1/-2 IEC 62477
EMC	ENIEC61000-6-1:2019 ENIEC61000-6-3:2021

Mechanical Specifications*

Inverter Dimensions	600/420/600mm
Battery Dimensions	600/420/200mm
Base Dimensions	600/420/130mm
Mounting Options	Stacking

*The dimension of the product shall be subject to the real object, with a tolerance of ±3%.



*The dimension of the above picture corresponds to the product model: LC-E2-420

Environmental Specifications

Operating Temperature*	-15℃~55℃
Recommend Temperature	25℃±5℃
Altitude	≤2000M
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

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Technical Parameters

LC-E2-505

LC-E2-510

LC-E2-515

LC-E2-520

LC-E2-525

Performance Specifications

Phase	Single Phase
Rated Output Power	5000W
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	1~5
Rated Voltage	51.2V
Usable Capacity Range	5.12~25.6kWh
Battery Type	$LiFePO_4$
Rated Output Voltage	(220V~240V) ±5%
Rated Output Current	21.7A
Grid Voltage Range	170-280V(UPS) 90-280V(APL) 183-253V(VDE)
Max.PV Input Power	4000W
MPPT Voltage Range	64~130V
Max. PV Voltage	145V
Max. Efficiency	93%
MPPT efficiency	98%
Grounding Mode	TN-S
Switching Time	10ms(UPS、VDE) 20ms(APL)
THDU	≤2%
Warranty*	5 years Inverter Warranty 10 years Battery Warranty

*Please observe our applicable warranty conditions.

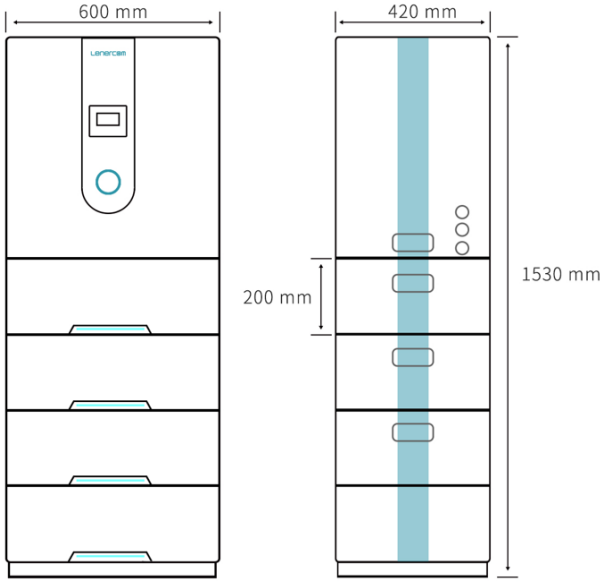
Approval Standards

Safety Code	IEC 62109-1/-2 IEC 62477
EMC	ENIEC61000-6-1:2019 ENIEC61000-6-3:2021

Mechanical Specifications*

Inverter Dimensions	600/420/600mm
Battery Dimensions	600/420/200mm
Base Dimensions	600/420/130mm
Mounting Options	Stacking

*The dimension of the product shall be subject to the real object, with a tolerance of ±3%.



*The dimension of the above picture corresponds to the product model: LC-E2-520

Environmental Specifications

Operating Temperature*	-15℃~55℃
Recommend Temperature	25℃±5℃
Altitude	≤2000M
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

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Technical Parameters

LC-E2-1015S

LC-E2-1020S

LC-E2-1025S

LC-E2-1030S

Performance Specifications

Phase	Single Phase
Rated Output Power	10000W
Rated Output Current	43.5A
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	3~6
Usable Capacity Range	15.36-30.72kWh
Battery Type	$LiFePO_4$
Rated Output Voltage	230V
Grid Voltage Range	176V~270V
Rated Grid Frequency	50Hz/60Hz; Auto Detection
Max.PV Input Power	13000W
MPPT Voltage Range	125V/500V
Max. Efficiency	98.2%
Grounding Mode	TN-S
Switching Time	20ms
THDU	<2%
Warranty*	5 years Inverter Warranty 10 years Battery Warranty

*Please observe our applicable warranty conditions.

Mechanical Specifications*

Inverter Dimensions	600/420/600mm
Battery Dimensions	600/420/200mm
Base Dimensions	600/420/130mm
Mounting Options	Stacking

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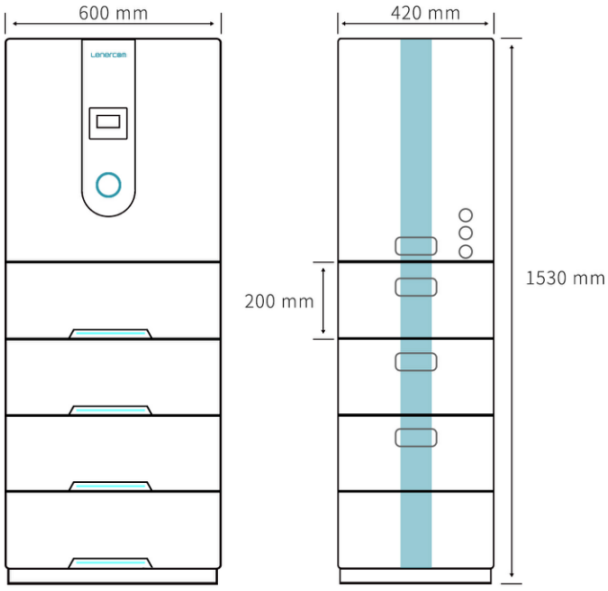

*The dimension of the above picture corresponds to the product model:LC-E2-1020S

Environmental Specifications

Operating Temperature*	-15℃~55℃
Recommend Temperature	25℃±5℃
Altitude	≤2000M
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

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Technical Parameters

LC-E2-810T-G

LC-E2-815T-G

Performance Specifications

Phase	Three-Phase
Rated Output Power	8000W
Rated Output Current	11.5A
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	2~3
Battery Type	$LiFePO_4$
Rated Voltage	204.8V(810T-G) 307.2V(815T-G)
Battery Voltage Range	166~233V (810T-G) 249~350V (815T-G)
Grid Voltage Range	360V~440V
Rated Output Voltage	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V
Rated Grid Frequency	50Hz/60Hz Auto Detection
Max.PV Input Power	12000W
Max. PV Voltage	1000V
MPPT Voltage Range	180V~850V
Grounding Mode	TN-S
Switching Time	≤10ms
Max.Efficiency	97.9%
European Efficiency	97.2%
MPPT Efficiency	≥99.5%
Warranty	5 years Inverter Warranty 10 years Battery Warranty

Approval Standards

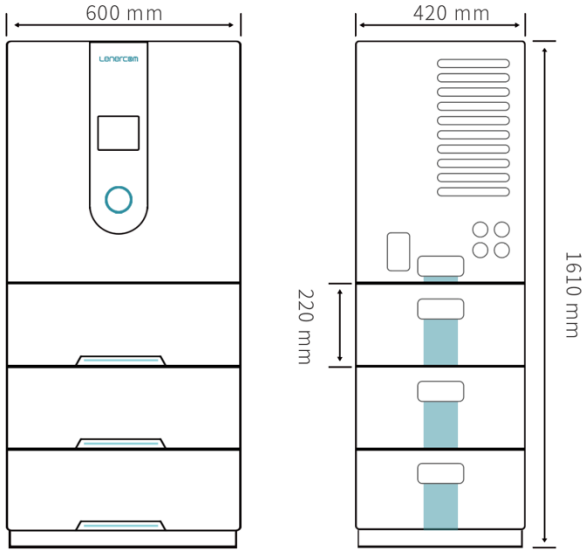
Safety Code	IEC 62109-1/-2, IEC 62477
EMC	ENIEC61000-6-1:2019 ENIEC61000-6-3:2021
Grid Regulations	EN 50549 VDE 4105 EN 50549-1/Rfg:2016/NC Rfg:2018/PTPiREE:2021 IEC 61727/62116/61683

* We reserve the right to make technical changes. The values, outputs, other technical data, images,and diagrams in this prospectus and in data sheets, advertisements, and other promotional documentsare approximate guidelines in all cases where they have not been indentified as binding.

Mechanical Specifications*

Inverter Dimensions	600/420/820mm
Battery Dimensions	600/420/220mm
Base Dimensions	600/420/130mm
Mounting Options	Stacking

*The dimension of the product shall be subject to the real object, with a tolerance of ±3%.



*The dimension of the above picture corresponds to the product model: LC-E2-815T-G.

Environmental Specifications

Operating Temperature*	-15℃~55℃
Noise	< 35dB
Altitude	≤2000m
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

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Technical Parameters

LC-E2-820T

LC-E2-825T

LC-E2-830T

Performance Specifications

Phase	Three-Phase
Rated Output Power	8000W
Rated Output Current	11.5A
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	4~6
Battery Type	$LiFePO_4$
Rated Voltage	204.8V(820T)/256V(825T) 307.2V(830T)
Battery Voltage Range	166~233V (820T) 208~292V (825T) 249~350V (830T)
Grid Voltage Range	360V~440V
Rated Output Voltage	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V
Rated Grid Frequency	50Hz/60Hz Auto Detection
Max.PV Input Power	12000W
Max. PV Voltage	1000V
MPPT Voltage Range	180V~850V
Grounding Mode	TN-S
Switching Time	≤10ms
Max.Efficiency	97.9%
European Efficiency	97.2%
MPPT Efficiency	≥99.5%
Warranty	5 years Inverter Warranty 10 years Battery Warranty

Approval Standards

Safety Code	IEC 62109-1/-2, IEC 62477
EMC	ENIEC61000-6-1:2019 ENIEC61000-6-3:2021
Grid Regulations	G99 EN 50549 VDE 4105 EN 50549-1/Rfg:2016/NC Rfg:2018/PTPiREE:2021 IEC 61727/62116/61683

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Mechanical Specifications*

Inverter Dimensions	600/420/820mm
Battery Dimensions	600/420/200mm
Base Dimensions	600/420/130mm
Mounting Options	Stacking

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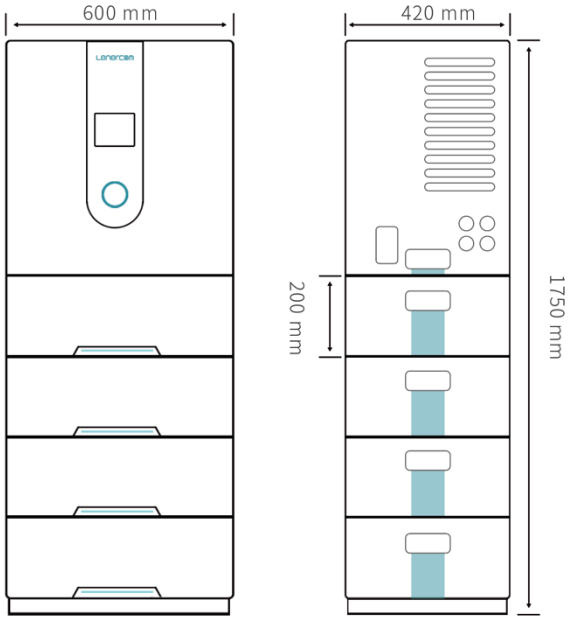

*The dimension of the above picture corresponds to the product model: LC-E2-820T.

Environmental Specifications

Operating Temperature*	-15℃~55℃
Noise	< 35dB
Altitude	≤2000m
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

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Technical Parameters

LC-E2-1010T-G

LC-E2-1015T-G

Performance Specifications

Phase	Three-Phase
Rated Output Power	10000W
Rated Output Current	14.4A
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	2~3
Battery Type	$LiFePO_4$
Rated Voltage	204.8V (1010T-G) 307.2V (1015T-G)
Battery Voltage Range	166~233V (1010T-G) 249~350V (1015T-G)
Grid Voltage Range	360V~440V
Rated Output Voltage	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V
Rated Grid Frequency	50Hz/60Hz Auto Detection
Max.PV Input Power	15000W
Max. PV Voltage	1000V
MPPT Voltage Range	180V~850V
Grounding Mode	TN-S
Switching Time	≤10ms
Max.Efficiency	98.2%
European Efficiency	97.5%
MPPT Efficiency	≥99.5%
Warranty	5 years Inverter Warranty 10 years Battery Warranty

Approval Standards

Safety Code	IEC 62109-1/-2, IEC 62477
EMC	ENIEC61000-6-1:2019 ENIEC61000-6-3:2021
Grid Regulations	EN 50549 VDE 4105 EN 50549-1/Rfg:2016/NC Rfg:2018/PTPiREE:2021 IEC 61727/62116/61683

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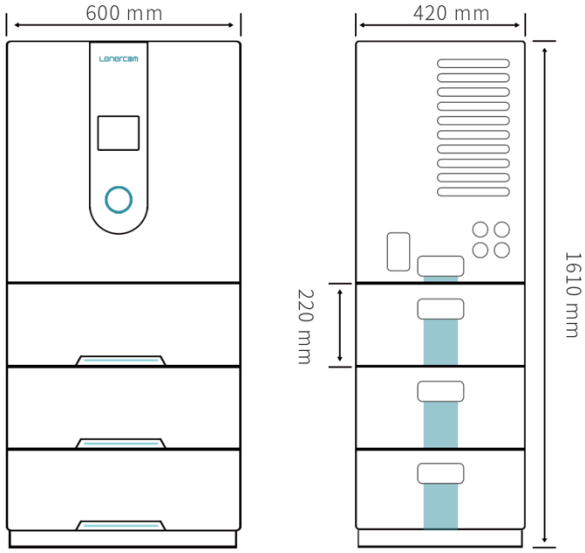
Mechanical Specifications*

Inverter Dimensions	600/420/820mm
Battery Dimensions	600/420/220mm
Base Dimensions	600/420/130mm
Net weight	187.5kg (1010T-G) 240.5kg (1015T-G)

*The dimension of the product shall be subject to the real object, with a tolerance of ±3%.



*The dimension of the above picture corresponds to the product model: LC-E2-1015T-G.

Environmental Specifications

Operating Temperature*	-15℃~55℃
Noise	< 35dB
Altitude	≤2000M
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

* When the temperature is below 0°C or above 40°C, the performance will be limited.

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Technical Parameters

LC-E2-1015T

LC-E2-1020T

LC-E2-1025T

LC-E2-1030T

Performance Specifications

Phase	Three-Phase
Rated Output Power	10000W
Rated Output Current	14.4A
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	3~6
Battery Type	$LiFePO_4$
Rated Voltage	153.6(1015T)/204.8V(1020T) 256V(1025T)/307.2V(1030T)
Battery Voltage Range	125~175.2V (1015T) 166~233V (1020T) 208~292V (1025T) 249~350V (1030T)
Grid Voltage Range	360V~440V
Rated Output Voltage	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V
Rated Grid Frequency	50Hz/60Hz Auto Detection
Max.PV Input Power	15000W
Max. PV Voltage	1000V
MPPT Voltage Range	180V~850V
Grounding Mode	TN-S
Switching Time	≤10ms
Max.Efficiency	98.2%
European Efficiency	97.5%
MPPT Efficiency	≥99.5%
Warranty	5 years Inverter Warranty 10 years Battery Warranty

Approval Standards

Safety Code	IEC 62109-1/-2, IEC 62477
EMC	ENIEC61000-6-1:2019 ENIEC61000-6-3:2021
Grid Regulations	G99 EN 50549 VDE 4105 EN 50549-1/Rfg:2016/NC Rfg:2018/PTPiREE:2021 IEC 61727/62116/61683

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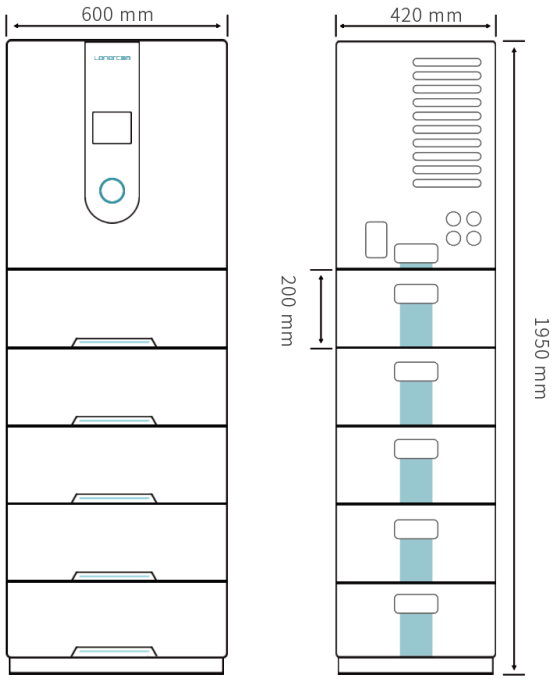
Mechanical Specifications*

Inverter Dimensions	600/420/820mm
Battery Dimensions	600/420/200mm
Base Dimensions	600/420/130mm
Mounting Options	Stacking

*The dimension of the product shall be subject to the real object, with a tolerance of ±3%.



*The dimension of the above picture corresponds to the product model: LC-E2-1025T.

Environmental Specifications

Operating Temperature*	-15℃~55℃
Noise	< 35dB
Altitude	≤2000m
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

* When the temperature is below 0°C or above 40°C, the performance will be limited.

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Technical Parameters

LC-E2-1225T

LC-E2-1230T

Performance Specifications

Phase	Three-Phase
Rated Output Power	12000W
Rated Output Current	17.3A
Single Battery Capacity	5.12kWh
Max No.of Expandable Batteries	5~6
Battery Type	$LiFePO_4$
Rated Voltage	256V (1225T) 307.2V (1230T)
Battery Voltage Range	208~292V (1225T) 249~350V (1230T)
Grid Voltage Range	360V~440V
Rated Output Voltage	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V
Rated Grid Frequency	50Hz/60Hz Auto Detection
Max.PV Input Power	18000W
Max. PV Voltage	1000V
MPPT Voltage Range	180V~850V
Grounding Mode	TN-S
Switching Time	≤10ms
Max.Efficiency	98.2%
European Efficiency	97.5%
MPPT Efficiency	≥99.5%
Warranty	5 years Inverter Warranty 10 years Battery Warranty

Approval Standards

Safety Code	IEC 62109-1/-2, IEC 62477
EMC	ENIEC61000-6-1:2019 ENIEC61000-6-3:2021
Grid Regulations	G99 EN 50549 VDE 4105 EN 50549-1/Rfg:2016/NC Rfg:2018/PTPiREE:2021 IEC 61727/62116/61683

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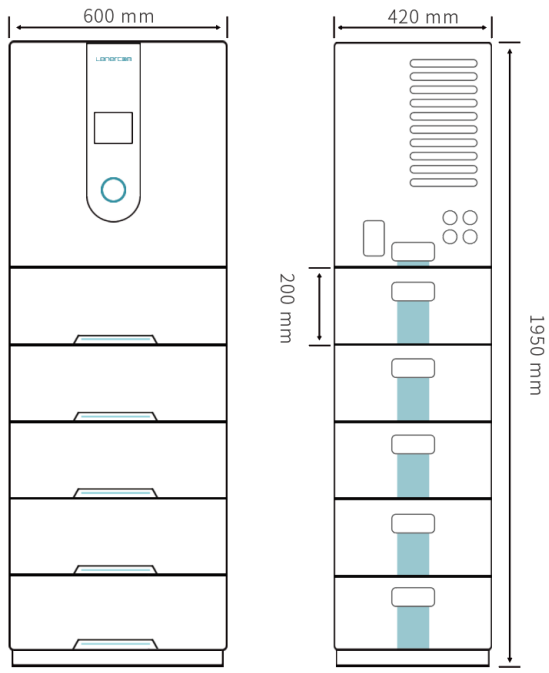
Mechanical Specifications*

Inverter Dimensions	600/420/820mm
Battery Dimensions	600/420/200mm
Base Dimensions	600/420/130mm
Mounting Options	Stacking

*The dimension of the product shall be subject to the real object, with a tolerance of ±3%.



*The dimension of the above picture corresponds to the product model: LC-E2-1225T.

Environmental Specifications

Operating Temperature*	-15°C~55°C
Noise	<35dB
Altitude	≤2000m
Humidity	≤85% RH Without Condensation
Ingress Rating	IP20

* When the temperature is below 0°C or above 40°C, the performance will be limited.

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