

# Lenercom E3 Series



Easy installation: one person and half hour



Warranty\* 5 years Inverter Warranty/10 years Battery Warranty

\*Please observe our applicable warranty conditions.



Child and pet friendly design



Ultra-high power density ratio



Superior interface experience



Ultra safe, durable LiFePo<sub>4</sub> battery technology





# Techical Specifications

Model	LC-E3-505		LC-E3-508
BATTERY			
Battery type	LFP		
Voltage range[V]	160-230.4		240-345.6
Rated energy(kWh)	5.53		8.29
DOD	90%		
Max. charge/ discharge current [A]	25		
Communication interface	CAN		
Reverse connect protection	YES		

## Input(DC)

Max. PV power[Wp]	6000
Max. DC input voltage [V]	550
Rated DC voltage [V]	360
Max. input current [A]	16/16
Max. short current [A]	20/20
MPPT voltage range [V]	125/530
Start-up voltage [V]	100
Number of MPPTs	2(1/1)

## Output (AC)

Rated output power [VA]	4991
Max. AC power [VA]	4991
Rated grid voltage [V]	220/230/240(180-270)
Rated grid frequency [Hz]	50/60
Rated AC current [A]	21.7
Max. AC current [A]	21.7
Power factor	0.8 leading to 0.8 lagging
THDi[%]	<3

## Input(AC)

Max. apparent AC power [VA]	9200
Max. AC current [A]	40
Nominal grid voltage (AC voltage range) [V]	220/230/240(180-270)
Nominal grid frequency/ range [Hz]	50/60

## EPS Output (With Battery)

EPS Max. power [VA]	4600
EPS rated voltage [V], Frequency [Hz]	230,50/60
EPS Max. current [A]	20
THDv, linear Load [%]	<3

## Efficiency

MPPT efficiency[%]	99
European efficiency[%]	97
Max. efficiency[%]	97.6
Battery charge and discharge efficiency[%]	98.2/97.5

## Power Consumption

Night power consumption [W]	<10
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## Protection

Over-voltage protection/Low-voltage protection	YES
Ground fault monitoring	YES
Grid monitoring	YES

## Standard

Safety	IEC62109-1/IEC62109-2/IEC62040
EMC	IEC61000-6-2/ IEC61000-6-3
Grid regulation	VDE 0126-1-1/EN50438/EN50549-1/ C10/11/ G99 UNE217001/UNE217002/NTS/RD647/RD1699

## Environmental Limit

Ingress protection	IP54
Operating temperature range [°C]	0-45
Altitude [m]	<2000
Humidity [%]	5-95%
Typical noise emission [dB]	<30

## Dimension And Weight

Dimensions (WxHxD) [mm]	640*1030*220	640*1330*220
Weight [kg]	86	110
Cooling method	Natural	
Topology	Non-isolated	
Communication interfaces	Meter/ WiFi/DRM/ BMS	

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