

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 LiFePo₄ battery technology



Technical 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	
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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