



New Epoch , New Energy

Cooperate together and
achieve win-win
results hand in hand.



Renewable energy,energy savingand environment friendly,
let us with Epoch for a better future.

ES-3.6/5/6/7/7.6/8K-LV



Residential Series



Product Feature

- Colorful touch LCD, IP65 protection degree
- Up to 6 inverters can be connected in parallel, and battery parallel connection is supported.
- 6 time periods for battery charging and discharging can be set
- AC-Coupled System Support
- Max. charging/discharging current of 190A
- Supports diesel engine connection

Technical Specifications

Technical specification	ES-3.6K-LV	ES-5K-LV	ES-6K-LV	ES-7K-LV	ES-7.6K-LV	ES-8K-LV
Input (PV)						
Max. power (W)	4680	6500	7800	10000	9880	10400
Max. DC voltage (V)	500					
MPPT voltage range (V)	150~425					
Max .input current of single MPPT (A)	13			26		
MPPT tracker/ strings	2/1			2/2		
AC output (GRID)						
Max . output power (VA)	3600	5000	6000	7000	7600	8000
Max . output current (A)	18/17.2	25/23.9	30/28.7	35/33.5	38/36.3	40/38.3
Grid voltage range (V)	220/230					
Frequency (Hz)	50/45-55, 60/55-65					
Power factor	0 .8 leading -0 .8 lagging					
THDi	<3%					
Grid connection type	L+N+PE					
Battery data (BAT)						
Battery voltage range (V)	40~60					
Max .charge/ discharge current (A)	90	120	135	175	190	190
Battery type	lithium / Lead- acid					
Communication Interface	CAN/RS485					
Emergency power output (EPS)						
Rated power (VA)	3600	5000	6000	7000	7600	8000
Rated output voltage (V)	220/230					
Max . output current (A)						
Rated frequency (Hz)	18/17.2	25/23.9	30/28.7	35/33.5	38/36.3	40/38.3
Automatic switching time (ms)	< 20					
THDu	<3%					
Overload capacity	110%, 30S/120%, 10S/150%					
General data						
Max. efficiency	97.6%					
Europe efficiency	96.5%					
MPPT efficiency	> 99%					
IP rating	IP65					
Noise emission (dB)	< 35					
Ambient temperature range	-25°C~60°C					
Cooling	natural cooling					
Ambient humidity range	0~100%					
Altitude	2000m					
Dimensions W * D * H (mm)	330*580*232					
Weight(kg)	24.9					
Standby power consumption (W)	< 3					
Communication and authentication						
Communication	RS485/Wif i/4G/CAN/DRM					
On- grid	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105					
Safety standard/EMC	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					

ES-LV-314Ah



Residential Series



Product Feature

- Strong flexibility and scalability
- 16.08 kWh ultra-high capacity
- Five-layer battery protection, ultimate safety experience
- BMS control, high system reliability
- Quick connection via plug-in terminals ensures easy and efficient installation.
- Modular design facilitates maintenance.

Energy Storage Model		ES-51.2V314Ah
Battery Parameters		
Battery Type	LFP (LiFePO4)	
Battery Capacity	314 Ah	
Storage Capacity	16.08kWh	
Depth of Discharge (DoD)	90%	
Rated Voltage	51.2V	
Operating Voltage Range	44.8V~58.4V	
Max. Charging Current	150 A	
Max. Discharging Current	150 A	
BMS		
Module Series Connection	1P16S	
Module Parallel Connection	1~4 parallel	
Capacity	16.08/32.15/48.23/64.3 kWh	
Communication	CAN/RS485	
Basic Parameters		
Cycle Life	8000*	
Weight	≈120 kg	
Dimensions (W × D × H mm)	580*400*770	
IP Rating	IP65	
Charging Temperature	0~60 °C	
Discharging Temperature	-20~60 °C	
Humidity	15~85%	
Certifications		
Transportation	UN38.3	
Certificate	IEC62619, CE	
Compatible Inverters		
Inverter Brands	DEYE / GROWATT / VICTRON / SE / LUXPOWERTEK / SRD / SMA GOODWE / SOLIS / SENERGYINV / TBB / MEGAREVO	

* Under specific testing conditions



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