



New Epoch , New Energy

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

Photovoltaic
products

Central air conditioning

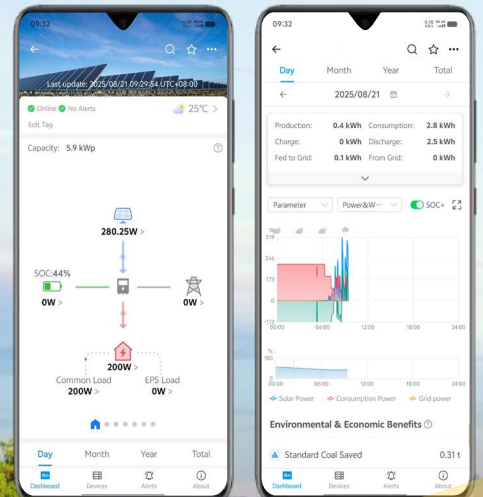
television set

Humidifier

Power
generation
storage
capacity

Income
statement

Low-carbon
results



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

ESI-8/10/12-EH



Residential Series



Product Feature

- Compatible with both single-phase and three-phase loads, the product supports 100% unbalanced loading and achieves a maximum efficiency of 98.2%
- Support high-power components
- Support multiple operation work modes
- Supports parallel connection of inverters and batteries, with a maximum of 6 units in parallel.
- Support full power discharge, and automatic battery charge and discharge management.
- Support IP65 protection class

Technical Data

Technical specification	ESI-8KW-H3	ESI-10KW-H3	ESI-12KW-H3
Input (PV)			
Max. power(kW)	10.4	13	15.6
Max. DC voltage(V)		1000	
MPPT voltage range(V)		180~850	
Max .input current of single MPPT(A)		13	
MPPT tracker/ strings		2/1	
AC output (GRID)			
Rated output power(kVA)	8.8	11	13.2
Max . output current(A)	12.7	15.9	19.1
Grid voltage/ range(V)		220/230	
Frequency (Hz)		400/360~440	
Power factor		0 .8 lagging-0 .8 leading	
THDi		<3%	
AC output topology		3W+N+PE	
Battery data (BAT)			
Battery voltage range(V)		125~600	
Max charging voltage(V)		600	
Rated charge/ discharge current(A)	40	40	40
Battery type		lithium / Lead- acid	
Communication Interface		CAN/RS485	
AC output (EPS)			
Rated power(kVA)	8.8	11	13.2
Rated output voltage(V)		400	
Max . output current(A)	12.7	15.9	19.1
Rated frequency(Hz)		50/60	
Automatic switching time(ms)		<20	
THDu		<2%	
Overload capacity		110%, 30S/120%, 10S/150%	
General data			
DC Max. efficiency	96.6%	96.7%	96.8%
Europe effi cienc	97.2%	97.5%	97.5%
MPPT effi ciency	99.5%	99.5%	99.5%
Ingress protection		IP65	
Noise emission(dB)		<35	
Operation temperature		-25℃~60℃	
Cooling		natural cooling	
Relative Humidity		0~95% (No condensation)	
A ltitude		2000m (>2000m Decrease quota)	
Dimensions W * D * H (mm)		530*200*600	
Weight(kg)		29	
Self- consumption(W)		<3	
Display and communication			
Interface	RS485/Wif i (Choice) /4G (Choice) /CAN/DRM		
On- grid	Europe : EN50549- 1, Germany: VDE4105/0124, UK: G99, South Africa : NRS097-2- 1:2017		
Safety standard/EMC	IEC/EN62109-1/-2, IEC/EN62477- 1, IEC/EN 61000-6- 1, IEC/EN 61000-6-3		

ES-HV-100Ah



Residential Series



Product feature

- Strong flexibility and scalability
- Each layer has a capacity of five kilowatt-hours and can be customized to support scalable expansion.
- Five-layer battery protection, ultimate safety experience
- Control via BCU + BMU ensures high system reliability.
- Quick connection via plug-in terminals ensures easy and efficient installation.
- Modular design facilitates maintenance.

Model	ES-153.6V100Ah	ES-204.8V100Ah	ES-256V100Ah
Battery Parameters			
Battery Type	LFP (LiFePO4)		
Battery Capacity	100 Ah		
Storage Capacity	15.36 kWh	20.48 kWh	25.6 kWh
Depth of Discharge (DoD)	90%		
Rated Voltage	153.6 V	204.8 V	256 V
Operating Voltage Range	134.4~175.2 V	179.2~233.6 V	224~292 V
Max. Charging Current	50 A		
Max. Discharging Current	50 A		
Rated Output Power	7.68kW	10.24kW	12.8kW
BMS			
Configuration	3P16S	4P16S	5P16S
Communication	CAN/RS485		
Basic Parameters			
Cycle Life	8000*		
Weight	≈120 kg	≈160 kg	≈200 kg
Dimensions (W × D × H mm)	580*450*770	580*450*930	580*450*1090
Protection 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



EPOCH ENERGY TECHNOLOGY B.V.

Web

<http://epochess.com/>

Add

MK204, Building Mμ, 5656 AE Eindhoven, the Netherlands

Tel

+86 137-6430-8446

+86 159-6295-3428

E-mail

epoch@epoch-esspv.com

chuck.feng@epoch-esspv.com

Text and images correspond to the current state of technology at the time of printing and are subject to modification without notice. Although carefully edited, all information cannot be guaranteed to be correct, please refer to the actual product and the instruction manual.