

Three-phase on-grid PCS

E8H3 E10H3 E12H3



Product Features:

EG is delighted to announce the launch of the eagerly anticipated 3rd generation of the hybrid inverter. The EGS battery storage inverter is compatible with the leading lithium-ion battery solutions, making it the most popular energy storage solution.

Safe & Reliable

Pass IEC/EN certifications and Europe countries grid connection

Friendly & flexible

Support diesel generator access
Support full power discharge, automatic management of battery charge and discharge

Economical & practical

It's more economical to support multiple operating modes
It can be used as a UPS for important loads when power off

Technical Parameters	E8KH3	E10KH3	E12KH3
Input (PV)			
Max Power	12 KW	15 KW	18 KW
Max DC Voltage	1000 V		
MPPT Voltage Range	180V-850 V		
Max Input Current of Single MPPT	13 A		
MPPT Tracker / Strings	2/1		

Technical Parameters:

Technical Parameters	E8KH3	E10KH3	E12KH3
AC Output			
Rated Power	8 KW	10 KW	12 KW
Max. Output Current	12.7 A	15.9 A	19.1 A
Grid Voltage / Range	400V / 360 - 440 V		
Frequency	50 Hz / 60 Hz		
Power Factor	0.8 lagging - 0.8 leading		
THDi	<3%		
AC Output Topology	3W + N + PE		
Batteries			
Battery Voltage Range	125 - 600 V		
Max Charging Voltage	600 V		
Full Battery Voltage	250 V	300 V	350 V
Rated Charging / Discharging Current	40 A		
Communication Interface	CAN / RS485		
EPS Output			
Rated Power	8.8 KW	11 KW	13.2 KW
Rated Voltage	400 V		
Max Output Current	12.7 A	15.9 A	19.1 A
Rated Frequency	50Hz / 60 Hz		
Automatic Switching Time	< 20 MS		
THDu	< 2%		
Overload Capacity	110% 20 S / 120% 10 S / 150% 0.02 S		
General data			
Battery Charge / Discharge Efficiency	96.60%	96.70%	96.80%
DC Max Efficiency	97.90%	98.20%	98.20%
MTTP Efficiency	99.50%	99.50%	99.50%
Ingress Protection	IP65		
Noise Emission	< 35 dB		
Operating Temperature	-25°C ~ 60°C		
Cooling	natural		
Relative Humidity	0~95% (non-condensing)		
Altitude	2000M (> 2000M derating)		
Dimension H * D * W	530 * 200 * 600 mm		
Weight	29 kg		
Isolation Transformer	NO		
Self Consumption	<3 W		
Display and Communication			
Display	LCD		
Interface: RS485/wifi/4G/CAN/DRM	Yes / Opt / Opt / Yes / Yes		
Safety Standard	ICE/EN 62109-1/-2, IEC/EN 62477-1		
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-3		
On-Grid	Europe: EN50549-1, Germany: VDE4105/0124, UK: G99, South Africa: NRS097-2-1:2017		