



EGS115K-T100-MC

All-in-one Energy Storage System

100 kW
115 kWh

OVERVIEW

EGS115K-T100-MC is an AC-coupled All-in-one energy storage system that supports the integration of mixed energy sources, including photovoltaic, the grid, and diesel generators. It can automatically switch working mode between on-grid and off-grid.

This system is widely used in weak grid area and the scenarios equipped with diesel generators. It can meet various power and capacity requirements in a small and medium-sized commercial and industrial applications by the accessed of photovoltaic and wind energy.

KEY FEATURES



Peak shaving with demand management and anti-island control.



Automatically switch between VF and PQ modes



Intelligent power monitor and control software.



High safety with multiple fire fighting system design.



Intelligent power monitor and control software.



Outdoor Pod Style installation (can be installed on top of existing concrete slabs).

SPECIFICATION

INVERTER SPECIFICATIONS

Rated AC Power	100 kW
Rated Grid Voltage	400 VAC
Rated AC Current	145 A
Total Harmonic Distortion	<3%
Rated Grid Frequency(Range)	50Hz/60Hz
Power Factor	-1 ~ 1, continuously adjustable

ENERGY STORAGE

Nominal Energy Capacity	115.2 kWh
DOD	95%
Voltage Range(Nominal Voltage)	696 ~ 852 VDC (768 VDC)
Chemistry	LiFePO ₄ / 150 Ah
Battery System Configuration	1P240S

MPPT Module (option)

Maximum PV Power	30 kW
Maximum PV open circuit Voltage	690 VDC
Maximum Output Current	50 A
MPPT Voltage Range	420 ~ 690 VDC
Maximum Input Current	96 A

ENVIRONMENTAL

Operating Temperature Range	-30~55 °C (derating at 45 to 55 °C)
Humidity Range	0 to 95% RH non-condensing
Cooling	HVAC/FAN
IP Ratings	IP54

DIMENSIONS & WEIGHTS

System Dimension (W*D*H)	943 * 1050 * 2000 mm
Weight	1400 kg
Lifting Options	Fork / Crane

COMPLIANCE

Inverter Related Standards	IEC/EN 50549-1
Battery Related Standards	UN 38.3, IEC 62619, IEC 62477-1
System Related Standards	CE, EN 62619, LVD

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