

# 01 Product Introduction: A215-105K-E

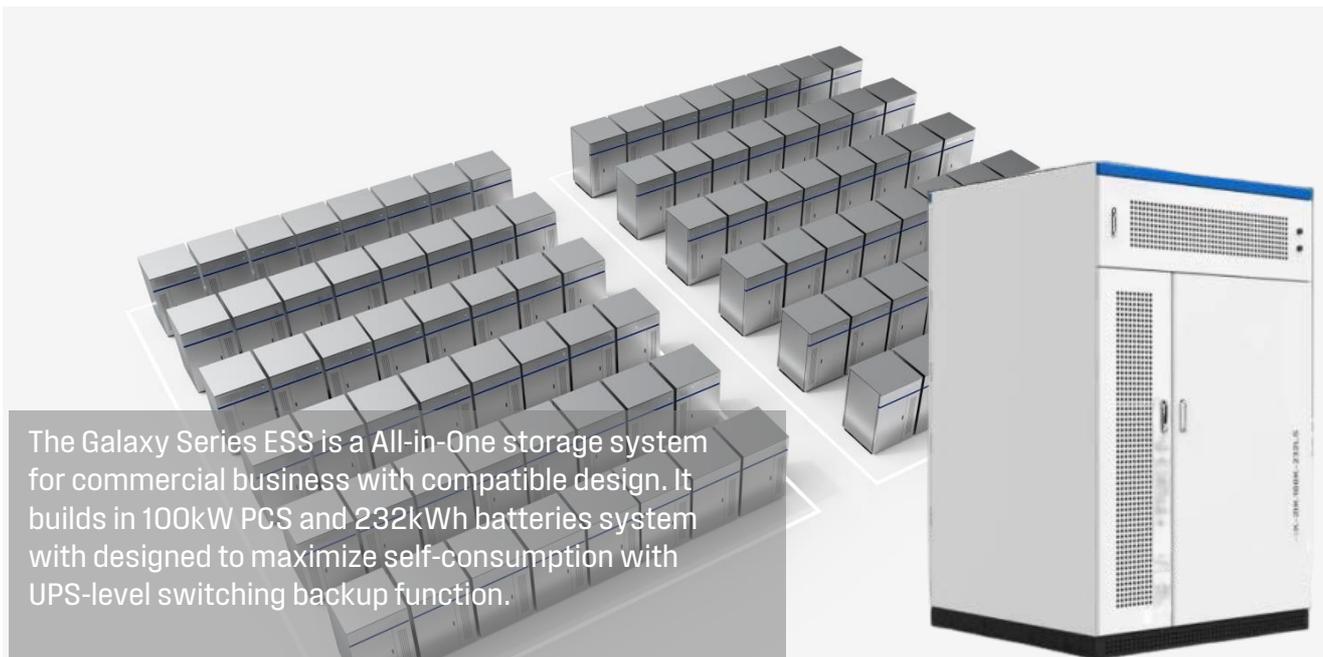
**Commercial & Industrial Solution Supports Your Business**

All-in-one Commercial ESS  
Integrated light storage system  
105kW-215kWh



Item	A215-105K-E
<b>Battery Parameter</b>	
Battery Cell Capacity	280Ah,3.2V, LFP
Rated Voltage	768V
Voltage Range	600-876V
System Capacity	215.04kWh
<b>PCS Parameter</b>	
Rated Output Power	105kW
Rated Grid Voltage	400V
Wiring System	3W+PE / 3W+N+PE
Rated Frequency	50Hz/60Hz
Harmonic(iTHD)	<3%(Rated Power)
Power Factor	-0.99~0.99
<b>PV Parameter</b>	
Max. PV input Power	50/100kw
Max. DC Voltage (Voc)	1000V
PV Voltage Range	200-850V
Max. PV input Current	200A
MPPT's Number	1
Short-circuit Current	2000A
<b>General Parameter</b>	
Weight	2.6t
Dimension (L*W*H)	1750*1215*2340mm
Max. Efficiency	89%
Devices	MPPT, STS.PCS
Cooling method	Forced Air Cooling
Relative Humidity	0-95%(No Condensation)
Working Altitude	<2000m
Fire Protection	PACK Class & Aerosols
Protection Class	IP54
Cycle life	≥6000 times @25°C 0.5C/0.5C
Communication Interface	4G/RS485/Ethernet
Communication Protocol	Modbus/IEC 61850
Certifications	IEC62619/UN38.3/UN3480

## 02 Product Introduction: 100K-215 / 232LS

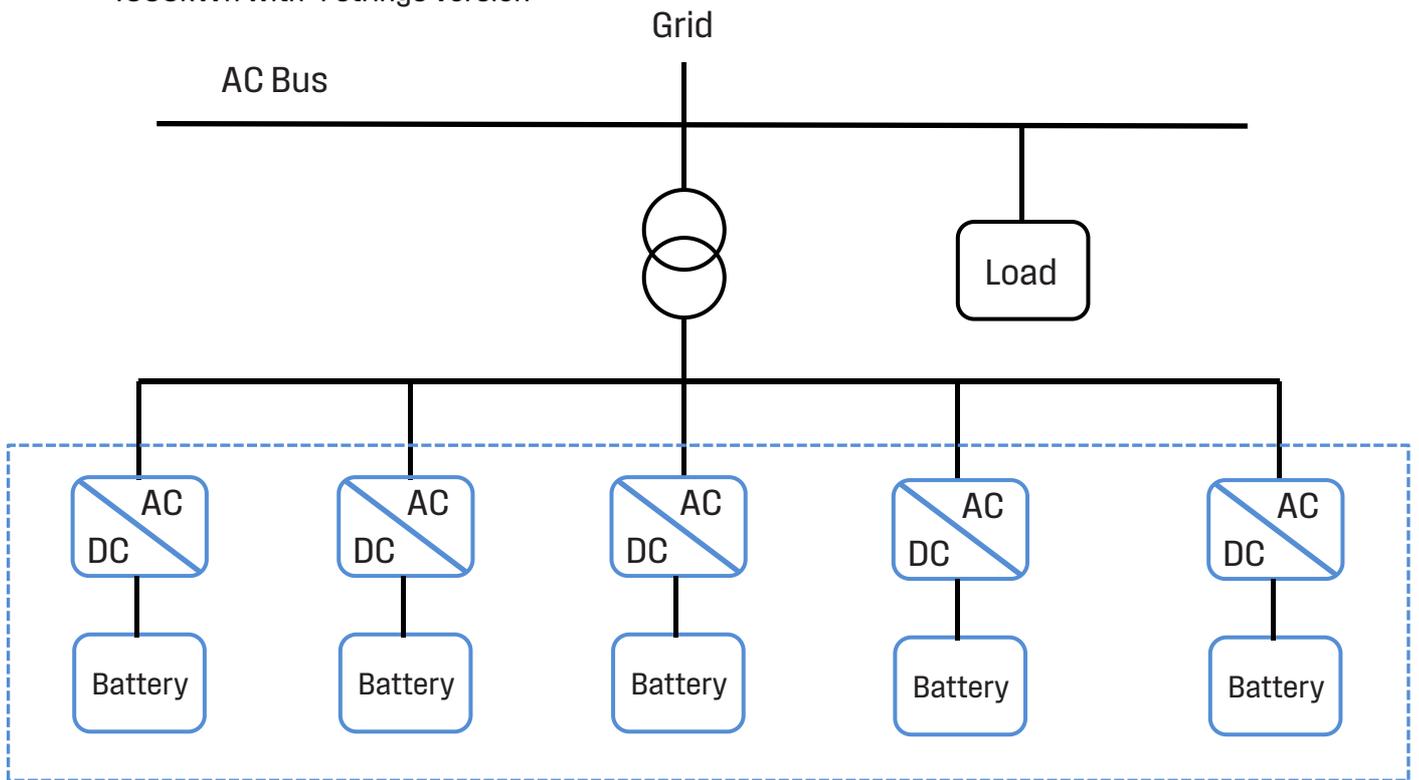


The Galaxy Series ESS is a All-in-One storage system for commercial business with compatible design. It builds in 100kW PCS and 232kWh batteries system with designed to maximize self-consumption with UPS-level switching backup function.

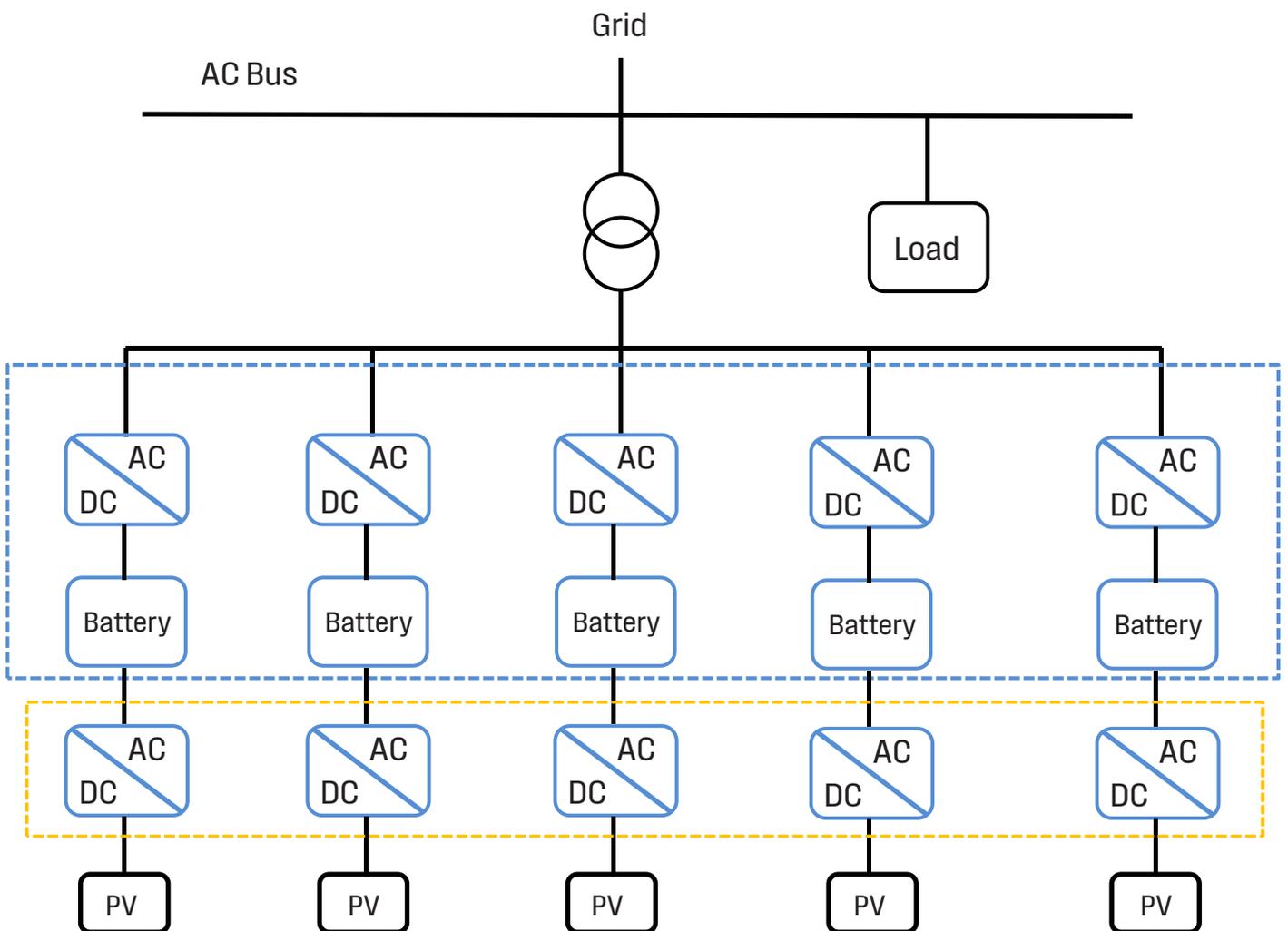
Model	100K-215LS	100K-232LS
<b>DC Data</b>		
Battery Type	LiFeP04	LiFeP04
Battery Energy	215kWh/1P240S	232kWh/1P260s
Battery Voltage Range	672Vdc ~ 864Vdc	728Vdc ~ 936Vdc
Rated Voltage	768V	832V
Pack	280Ah/LFP 3.2V	280Ah/LFP 3.2V
Cycle Life	≥ 6000@0.5C 25°C	≥ 6000@0.5C 25°C
Communication	RS485,TCP, Ethernet	RS485,TCP, Ethernet
<b>PCS Parameters</b>		
Rated Output Power	100KW	100KW
Max. Rated Output Power	110KW	110KW
Rated Grid Voltage	3L / N / PE 400VAC	3L / N / PE 400VAC
Grid Frequency	50/60Hz	50/60Hz
Output THDi	<3%	<3%
Peak Efficiency	99.05%	99.05%
<b>General Data</b>		
Dimensions (W x D x H)	1300x1300x2100mm	
Weight of the Whole System	2600 KG	
Protection Level	IP55	
Operating Temperature Range	-20°C ~ 50°C	
Relative Humidity	0 ~ 95% (Non-Condensing)	
Warranty	5 Years Product Warranty	
Cooling	Forced Air-Cooling	Liquid cooling
Fire Protection	Aerosol Fire Protection	
Certifications	EN62109, EN62477, IEC61000, VDE4105, EN50549	

# 03 100K-215 / 232LS Practical Application

- 1000kWh with 4 strings version

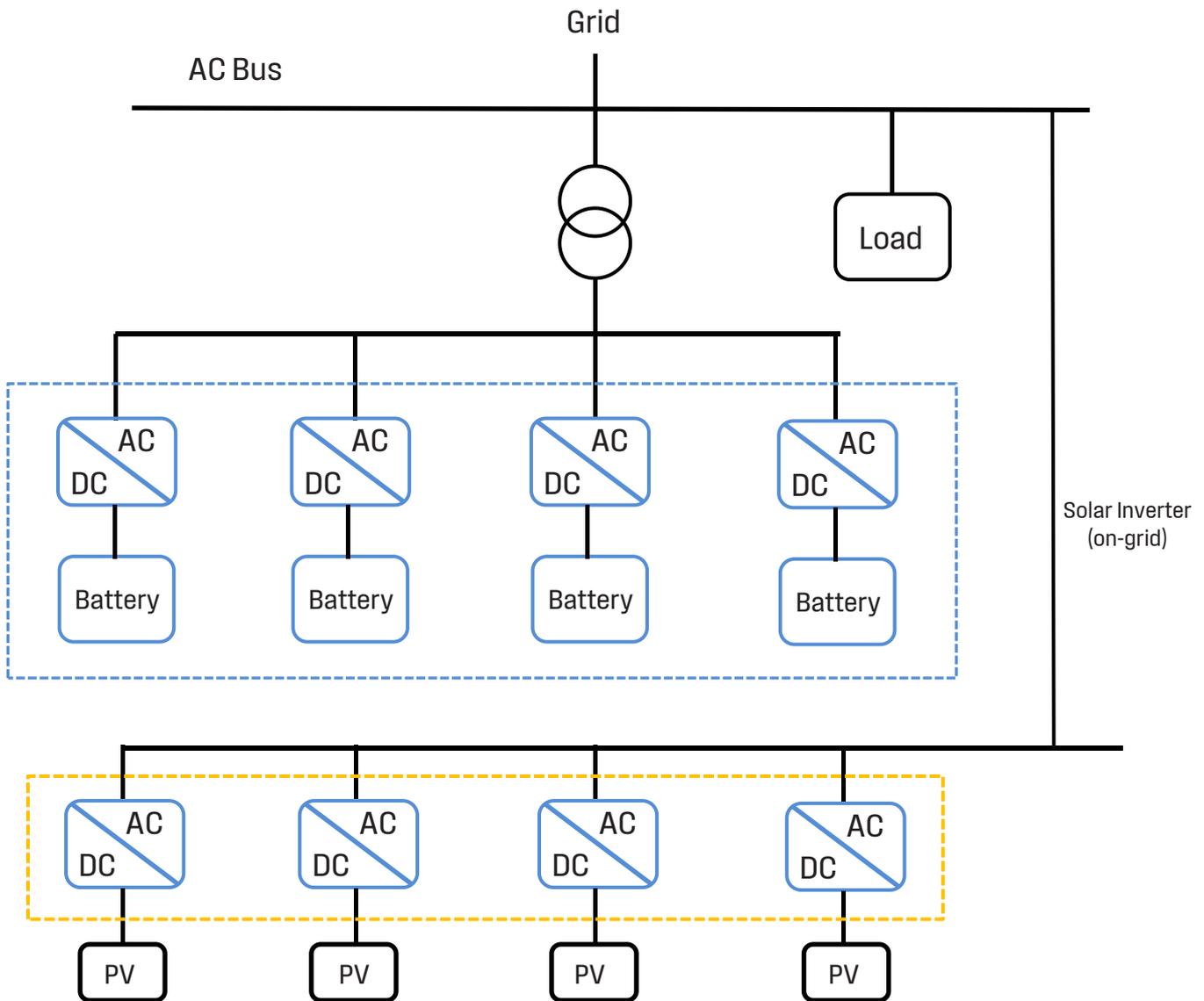


- 1000kWh with PV System (Optional DCDC PV charging system)



# 03 100K-215 / 232LS Practical Application

- 1000kWh with PV System (Optional on-grid Solar inverter PV charging system)



## Commercial & Industrial Solution Supports Your Business

### Efficient

Advanced electrical technology with up to 99.9% efficiency All-in-one design and highly integrated.

### User-friendly

Industrial design with a modern aesthetic look.  
Easy to install and simple to use Grid-support & grid-forming.

### All-in-one

Modular design with different optional part.  
Parallel installation side-by-side or back-to-back.  
Optional DCDC PV charging system.  
Optional Auto-switching device

### Reliable

IP55 protection degree for outside installation.  
Liquid cooling.

### Intelligent

Exclusive Li-ion battery BMS and EMS management.  
Time-slot function to save cost with peak-valley

## Energy Storage System



New Life with Zero Carbon Empowered by Technology