

# Industrial Energy Storage Systems **NEOSUN™ ESS**



**Module NS48112-S**  
Capacity 5.73kWh (1C)  
up to 16 modules in HV Cluster



## Battery packs NEOSUN - NS48112-S и NS48112-P

⚡ Module capacity  
**5.73 kW-h (1C)**

⚖ Weight  
**65 kg**

🛡 Performance Warranty  
**10 year**

📏 Module size  
**600x600x200mm**

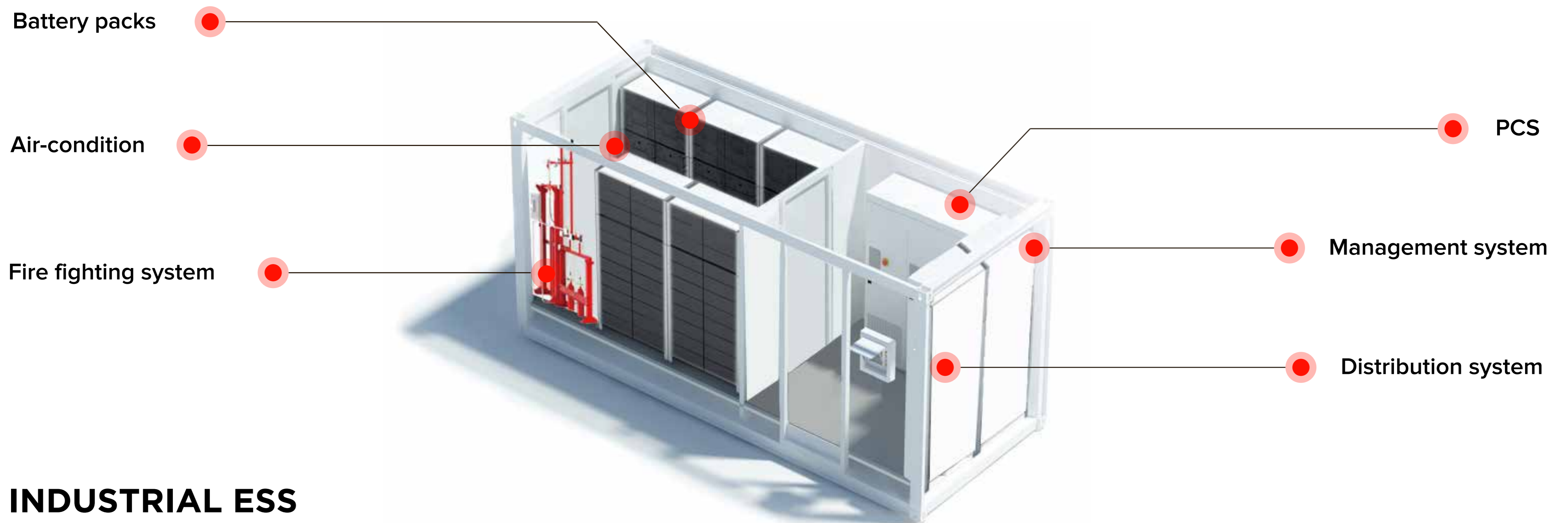
🔋 Cells  
**LiFePO4 (integrated BMS)**

🔄 Cycle life  
**>8000 Cycles (DoD 95%)**

Advanced Li-ion battery pack with high energy density and more than 20 year service life is an ideal solution for energy storage system of any capacity. Compact and scalable with modular 19" rack-mount design it can be easy to expand capacity from kWh to MWh scale.

NEOSUN HV Cluster allows parallel connection of up to 16 battery packs in one string with a voltage range up to 800V and current range up to 200A to satisfy most of the ESS scenarios.

**Integrated high-performance BMS protects the cell to ensure more than 8000 cycles lifespan and 95% Depth of discharge (DoD).**



## INDUSTRIAL ESS

We customize ESS solutions for industrial applications:

### PCS

100kW, 250kW, 500kW or 1MW expandable to MWs.

### Batteries

5.7kWh (1C) module / 7.98kWh (0.5C) module  
LiFePO4 chemistry

### BMS

Intelligent battery management system

### EMS

Intelligent energy management system

### Container

If a container is used, our standard ESS container includes the following facilities:

- Fire fighting system
- Air-conditioning system
- Ventilation system
- Lighting system and power distribution system

Depending on the application, the maximum capacity in container would be different:

- 10 feet - 300kWh (1C)
- 20 feet - 600kWh (1C) / 1.1MWh (0.5C)
- 40 feet - 1.26MWh (1C) / 2.5MWh (0.5C)

