

## Neptune 3420

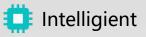
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- High-efficiency intelligent thermal management design
- Meets UL and IEC standard

### Economical

- Non-walk-in design
- Integrated system design
- Reducing transportation, installation, and
- commissioning costs

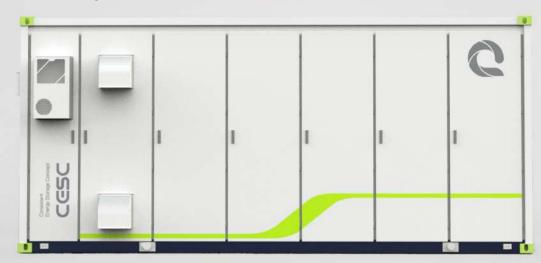


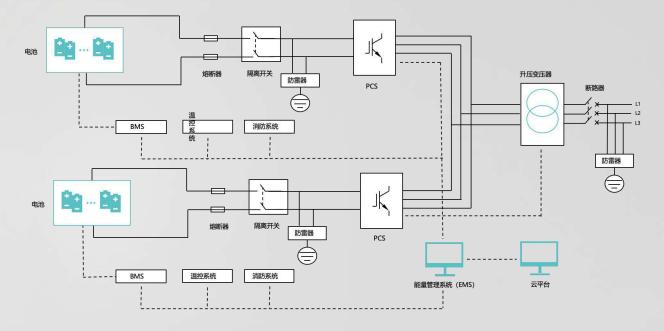
- Cloud platform, full life cycle health management
- Built-in EMS, multiple operation modes



### Efficiency

- Modular all-in-one design
- Convenient installation





# Medium and high-voltage on-grid system





20-foot containerized energy storage

		Product Parameters	
	Model specifications	3.42MWh	5MWh
System Parameters	Cooling method	liquid cooling	
	Cycle	≥7000	
	Fire protection	PACK level (aerosol/perfluorohexane) + Cluster level (aerosol/perfluorohexane + water spraying)	
	Protection	IP55	
	Dimensions	6058*2438*2896mm	6458*2438*2896mm
Battery Parameters	Cell	300Ah	314Ah
	Series and parallel connections (pack)	1P44S	1P52S
	Series and parallel connections (battery system)	9P396S	12P416S
	Rated Voltage	1267.2VDC	1280VDC
	Voltage Range	1108.8 ~ 1425.6VDC	1000 ~ 1460VDC
	Charge and discharge rate	0.5C	0.5C
	Rated charge and discharge current	1500A	1570A

## Neptune 3420: High-Performance Utility-Scale Energy Storage

Core Products

The Neptune 3420 is a pre-engineered, modular energy storage solution designed for rapid deployment and optimal performance. Incorporating advanced battery technology, liquid cooling, and intelligent control systems, this system delivers exceptional energy density and efficiency.



Model specifications	3.42 MWh Liquid cooling	
cooling method		
re protection leasures	PACK grade (aerosol/perfluorophenone) + Cluster grade (aerosol/perfluorophenone + water spray)	
ated voltage	6058*2438*2896mm	
ltage range	1108.8 to 1425.6VDC	
narge and discharge	0.5 C	
atio ated current	1350A	

## Diverse application scenarios











## Key Features

Core Products

#### **Optimal Temperature Control:**

Advanced liquid cooling system maintains a precise temperature

 $(\pm 7^{\circ}C)$ 

Scalable Energy Storage: Modular design with

3.42MWh capacity

**Uncompromising Safety:** 

Multi-level safety features,

including fire suppression and environmental monitoring



#### All-in-One Solution:

Integrated container design simplifies installation and maintenance

#### Remote Monitoring and Control:

Optional

# 4G video monitoring

for real-time system oversight

#### Rapid Fire Suppression:

Automated Heptafluoropropane system for swift fire containment

# Our team has extensive experience in landing projects

Project Cases



### Henan Jiuwei Junxian Wind Farm Energy Storage Project

Completed in 2021, power generation side, service photovoltaic 50MW, energy storage 5MW/5MWh



### Changsha Furong Substation Energy Storage Project

Built in 2018, grid-side, within Changsha, energy storage 26MW/52MWh



### NDRC Xinjiang Lopu Hundred MW Battery Energy Storage

Recoject 23, power generation side, supporting PV capacity of 400 MW, energy storage 100MW/400MWh



Three Gorges Group Tibet Tianjing Photovoltaic Power Station Additional Energy Storage Project & Tibet Autonomous Region Inventory Photovoltaic Project

## Installation Cases

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Jiangsu, China

Shaoxing, China

Jiangsu, China









Huzhou, China

Jiaxing, China

Pinghu, China

Suqian, China