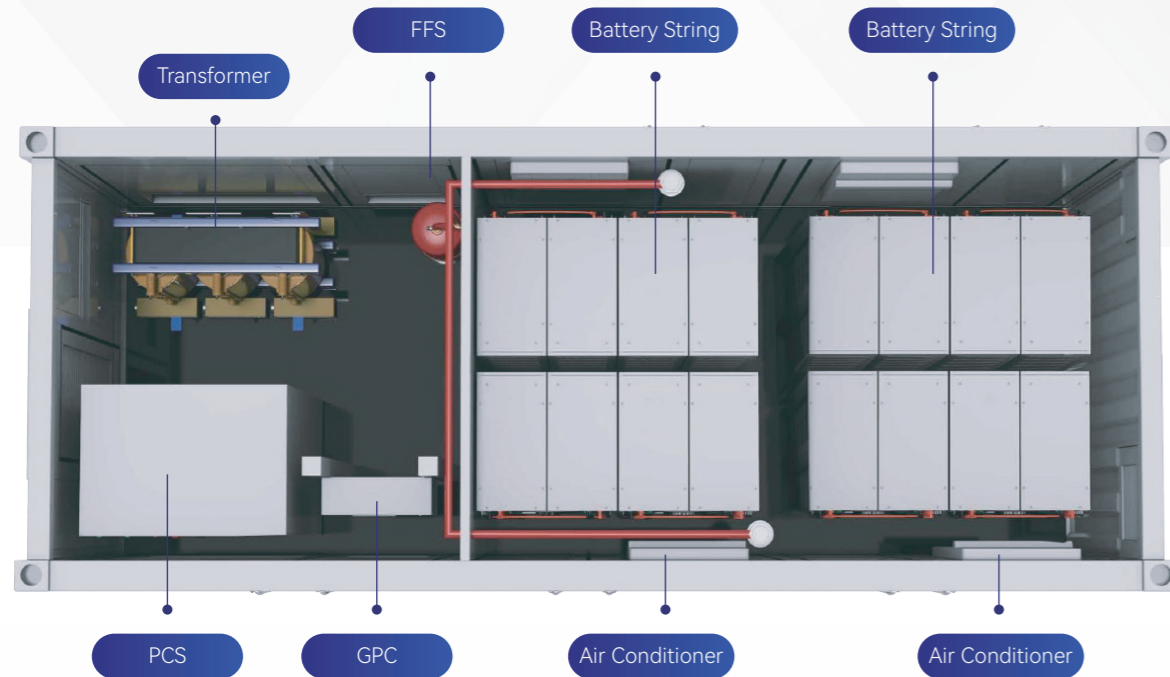


# Container ESS

## 500kW/1053kWh



### 500kW/1053kWh

DC Data	
Battery Chemistry	Lithium Iron Phosphate (LFP)
Cell Life Cycle	80% Retention with 6,000 Cycles @ 0.5C 25°C
Cell Spec	3.2V/280Ah
String Configuration	1P196S
Number Of Strings	6
Rated Energy Capacity	1053.696kWh
Rated Voltage	627.2V
Voltage Range	548.8V~695.8V
BMS Communication Interface	RS485, Ethernet

AC Data	
Rated AC Power	500kW
Rated Voltage	400V
Grid Voltage Range	320~460V(Configurable)
AC Rate Of Current	722A
Output THDi	< 3%
AC PF	0.1~1 leading or lagging (Controllable)
AC Output	3-Phase 4-Wire+PE

General Data	
Dimension[L*W*H]	6,058x2,438x2,591mm
Weight Of The Whole System	20t
Degree Of Protection	IP54
Operating Temperature Range	-20~40°C
Relative Humidity	0~95% (non-condensing)
Max Working Altitude	3000m/10000feet (> 2000m/6500feet derating)
Cooling Concept Of DC Hatch	HVAC
Fire Fighting System	NOVEC1230/FM-200
Communication Interfaces	RS485, Ethernet, GPRS

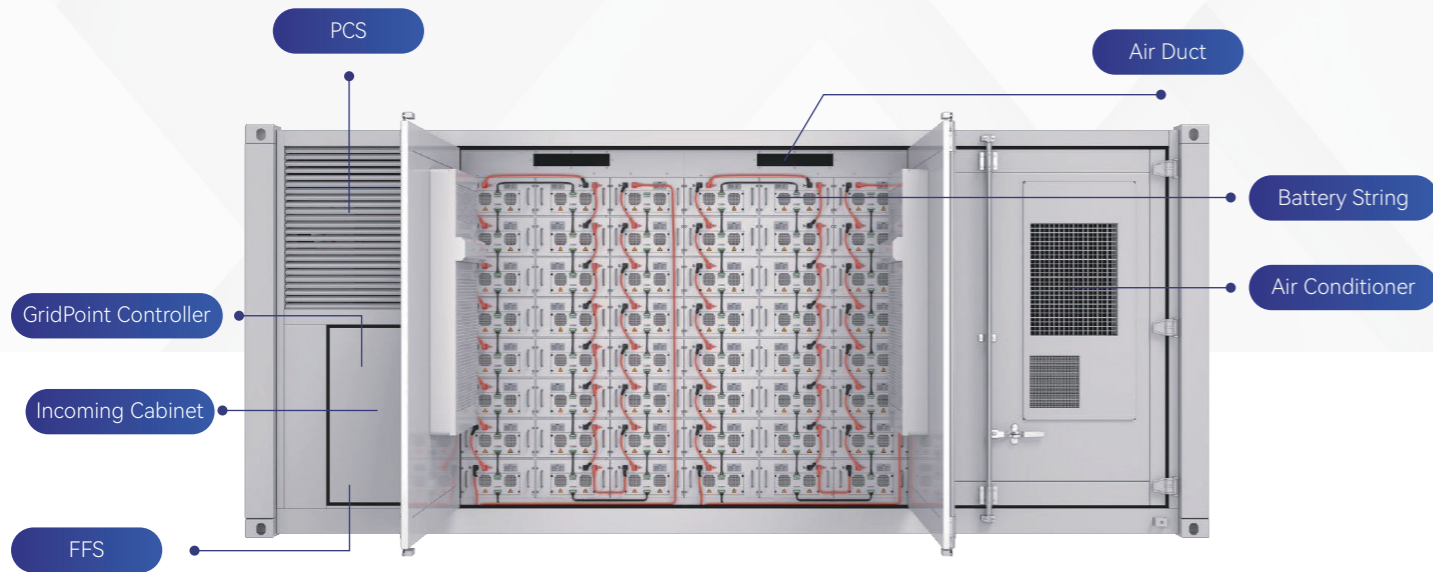
**Fast Deploy**  
 Container can be quickly deployed, easy for transport and install, can lowered the infrastructure and construction cost and shorten the construction time.

**Smart Configuration**  
 The container can be paired the with photovoltaic farm, wind turbine farm, electric grid, etc. It is a large multi-function smart energy storage station.

**High Safety Level**  
 Comprehensive and multi-level battery protection strategies and troubleshooting measures are in place.

**Modular Design**  
 Various units can be easily combined together to satisfy the electricity needed by your business.

# Container ESS 1000kW/2064kWh ▶▶▶



## 20C2H1000K-6S373-24P14

Container Size    Minimum Charge Time    PCS Power    Quantity of Battery String    Quantity of Pack    14kWh Pack

Product Model	Battery String Type	Nominal Capacity	DC Voltage	Number Of Strings	Grid-Connected Voltage	Dimensions (WDH mm)
20C2H600K	S373-24P14	1,376kWh	1,075.2V~1,363.2V	4	690V	6,058x2,438 x2,591mm
20C2H800K		1,720kWh	1,075.2V~1,363.2V	5	690V	
20C2H1000K		2,064kWh	1,075.2V~1,363.2V	6	690V	

### MAIN COMPONENT



#### Battery String

Battery Module	S373-24P14(Max S373-26P14)
Pack QTY	24(Max 26)
Rated Capacity	344.06kWh(Max 372.736kWh)
Rated Voltage	1,228.8V
DC Voltage Range	1,075.2V~1,363.2V
Pack	51.2V/280Ah@1P16S
Communication	Ethernet, CAN, RS485
Life Span	>5,000 cycles, 25°C
Dimensions (W×D×H)	1,440×750×2,150mm
Weight	2,922kg
Certifications	UL1973, UL9540A, IEC62619, CE, UN38.3



#### Power Conversion System

Item	20C2H600K	20C2H800K	20C2H1000K
DC Voltage Range	1000~1,500V		
Max. DC Current	224.5A*4	224.5A*5	224.5A*6
Rated Output Power	200kW*4	200kW*5	200kW*6
Rated Grid Voltage	690V		
Grid Voltage Range	-15%~+10%		
Grid Frequency	50Hz/60Hz		
Max. AC Current	184.1A*4	184.1A*5	184.1A*6
AC PF	0.1~1leading or lagging(Controllable)		
Weight	100kg*4	100kg*5	100kg*6
Certifications	UL1741, IEEE1547, IEC62477-1, IEC61000		



#### GridPoint Controller (GPC)

Power Interface	AC220V/DC24V
Communication	Modbus RTU, Modbus TCP
Relay	24 stem node input / output
Network Control Application	Peak shifting and valley filling, peak cutting, smoothing renewable energy output curve
Offline Control Application	Backup power supply, PV/DG/EV/ESS integrated micro-grid control



#### Fast Deploy

Container can be quickly deployed, easy for transport and install, can lowered the infrastructure and construction cost and shorten the construction time.



#### Smart Configuration

The container can be paired the with photovoltaic farm, wind turbine farm, electric grid, etc. It is a large multi-function smart energy storage station.



#### High Safety Level

Comprehensive and multi-level battery protection strategies and troubleshooting measures are in place.



#### Modular Design

Various units can be easily combined together to satisfy the electricity needed by your business.