

NESP CCS 20



Pictured above: Two 20ft joint containers, totaling 40ft.

ENERGY

- Increased Energy Density
- Improved auxiliary power energy consumption
- Optimized HVAC systems

SAFETY

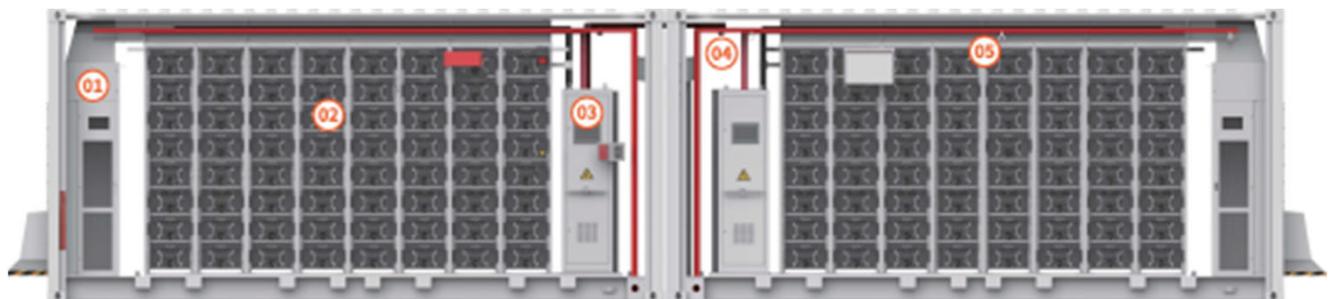
- UL9540 and UL9540A Certifications
- Improved standardized systems
- Best in class Fire Suppression System & Early Detection Systems

RELIABILITY

- Long Cycle Life LFP battery modules
- Factory assembled and tested
- Standard design architecture

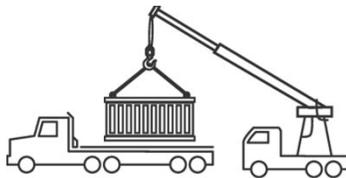
MAINTAINABILITY

- Pre-assembled at factory
- Easy access to all necessary equipment without entering enclosure
- Standardized bill of material

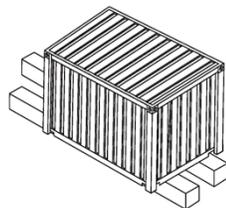


01. Total of 4 sets of floor-mounted HVAC unit installed on the container end frame
02. Up to 16 racks pre-installed in the 20ft combined container
03. Room for 2 sets of DC cabinets; 1 set of AC power distribution cabinets; 1 set of FSS
04. Fire suppression system - gas extinguishing
05. Fire suppression system - water spray (optional)

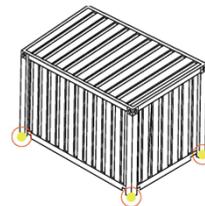
Battery Application Type		2C	1C	0.5C
Battery Rated Capacity		160Ah	200Ah	250Ah
Electrical	DC Rated Voltage	1152V	1152V	1152V
	Maximum Charge/Discharge Rate	2C	1C	0.5C
	DC Rated Energy	3.0MWh	3.6MWh	4.6MWh
Performance & Safety	DC Round Trip Efficiency @ Rated Power	93%	93%	93%
	Battery Chemistry	LFP		
	Calendar Life	10-15 years		
	Fire Suppression	Gas+		
	Cooling Concept of Battery Chamber	Air Cooling+ (Liquid Cooling options)		
	Codes & Compliance	UL 9540/ UL 9540A/ CE/ IEC/ KC/ KBIA		
General Data NESP CCS 20	Max Number of Racks	16	16	16
	Weight (Approximate)	47.6T	48.8T	52T
	Enclosure Dimensions	12192*2896*2438 mm		
	Enclosure Rating	IP54		
	Operating Temperature Range	-20~55°C		
	Relative Humidity	0-95% (non-condensing)		
Software	Software Communication Interfaces	CAN, RS485, Ethernet		
	Communication Protocols	CAN, Modbus RTU, Modbus TCP/IP		



STEP 1:
Single container transported as a complete unit.



STEP 2:
Single container delivered.



STEP 3:
Single container firmly set in place.



STEP 4:
Double containers spliced together.