

NESP LC CCS20



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 2 sets of floor-mounted Liquid Colling units installed on the container end frame
02. Up to 10 racks pre-installed in the 20ft combined container 20 racks total for 2 containers
03. 2 DC combiner cabinets; 1 set of AC power distribution cabinets; 1 set of FSS
04. Fire suppression system – Clean Agent and Water with gas detection and ventilation to NFPA

Battery Application Type		1C	0.5C	0.5C
Battery Rated Capacity		280Ah	280Ah	314Ah
Electrical	DC Rated Voltage	1331.2 V	1331.2 V	1331.2 V
	Max Voltage	1497.4V	1497.4V	1497.4V
	Min Voltage	1040.0V	1040.0V	1040.0V
	Maximum Charge/Discharge Rate	1C / 280A	0.5C / 140A	0.5C / 157A
	DC Rated Energy 1 / 10 racks	372 kWh / 3.72MWh / 7.44MWh	372 kWh / 3.72 MWh/ 7.44MWh	418 kWh / 4.18MWh/ 8.36MWh
Performance & Safety	DC Round Trip Efficiency @ Rated Power	93%	93%	93%
	Battery Chemistry	LFP		
	Calendar Life	20 years		
	Fire Suppression	Clean Agent + water		
	Cooling Concept of Battery Chamber	Liquid Cooling		
	Codes & Compliance	UL 9540/ UL 9540A/ CE/ IEC /UN3536		
General Data EDGE L	Noise	≤75dB @1m		
	Weight (Approximate)	2x 36000kg / 57,600 lbs		
	Enclosure	2x 20' HC ISO Container 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		

