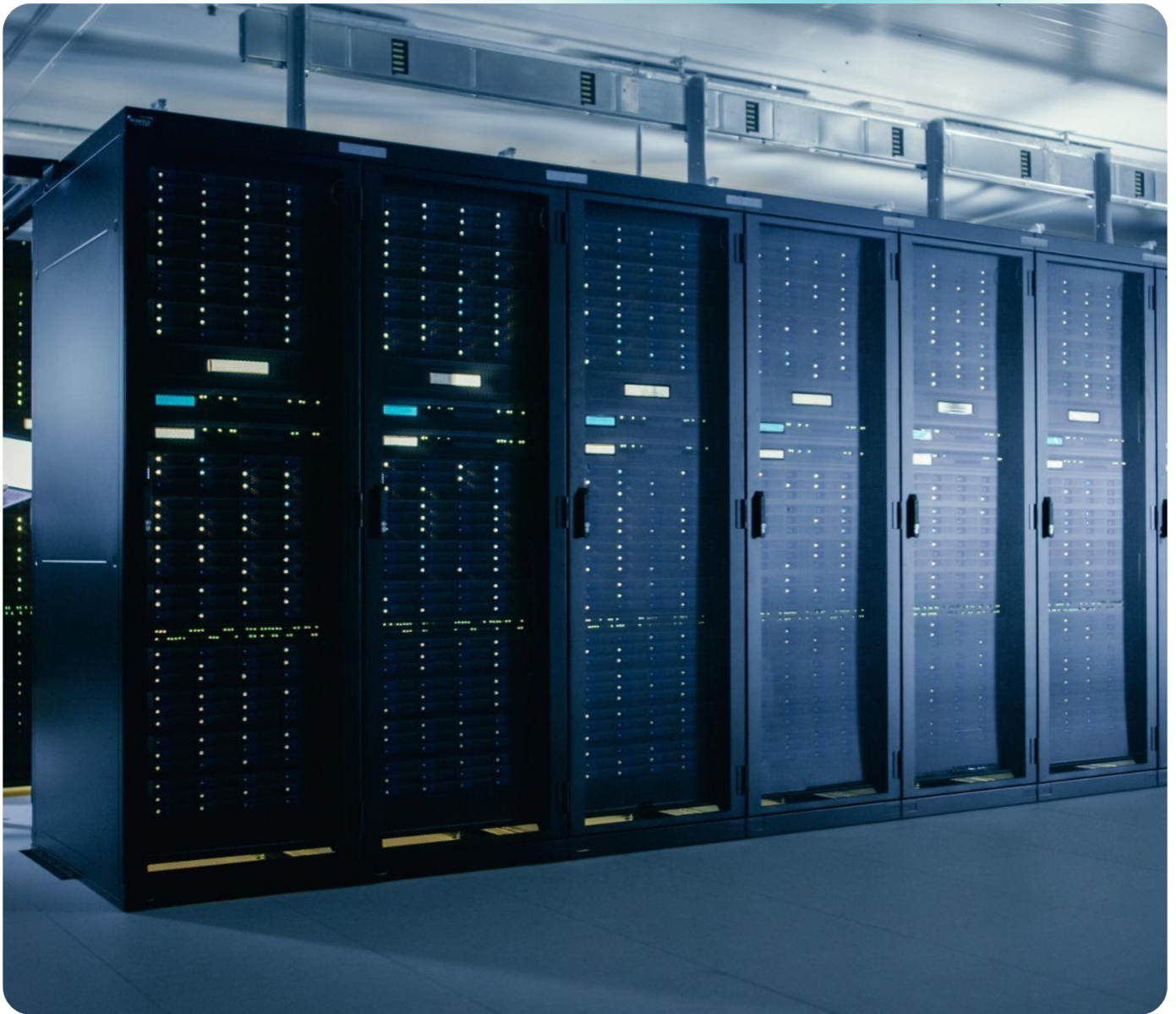


# Data Centre Battery Solution

512NESP55



# NESP Series- 512NESPSS IDC High Voltage Lithium Battery

## Product Introduction:

The NESP series of high-voltage lithium battery systems for UPS have the advantages of high safety, high reliability, high convenience, long service life, small footprint, and simple operation and maintenance. Provide uninterrupted power and backup power for special applications such as Internet Data Center, cloud facilities, hospitals, airports, and rail transit to ensure the continuous operation of electrical equipment.

## Technology features:



- High safety and reliability with international standards 
- Modular design and easy to install 
- Flexible configuration with parallel expansion 
- High discharge rate to deliver powerful performance 
- Smart management to support real time and remote control 
- Long life and deep cycling 

# Product Specification

Item		Cell	Module	Rack
Type no.		FP55A	51.2NESP55	512NESP55
Capacity	Ah	55	55	55
Energy	kWh	0.176	2.82	28.16
Nominal Volt	V	3.2	51.2	512
Minimum Volt	V	2.5	43.2	432
Maximum Volt	V	3.65	57.6	576
Dimension (W*D*H)	mm	130*36*151	352*435*165	500*700*2138
Weight	kg	1.42	35	545
Allowed C rate	C	1	1	1
Allowed Disch Rate	C	6	6	6
Operation Temp Range		Charge: 0°C to 45°C Dis: -20°C to 60°C Store : 0 to 35°C	Charge: 0°C to 45°C Dis: -20°C to 60°C Store : 0 to 35°C	Charge: 0°C to 45°C Dis: -20°C to 60°C Store : 0 to 35°C
Recommended Operation Temp Range		15°C to 45°C	15°C to 45°C	15°C to 45°C
Humidity	%	5%-95%	5%-95%	5%-95%
Certifications		UL9540A, UL1973, UN38.3, Rosh, EN61000, IEC 62619		



## Single Rack

Runtime	4 Modules	5 Modules	6 Modules	7 Modules	8 Modules	9 Modules	10 Modules
<b>Power/kW</b>							
6 min	72.0	90.0	108.0	126.0	144.0	162.0	180.0
10 min	56.0	70.0	84.0	98.0	112.0	126.0	140.0
15 min	40.0	50.0	60.0	70.0	80.0	90.0	100
20 min	28.0	35.0	42.0	49.0	56.0	63.0	70.0
25 min	24.0	30.0	36.0	42.0	48.0	54.0	60.0
30 min	20.0	25.0	30.0	35.0	40.0	45.0	50.0

## One Rack to Ten Racks in Parallel

Runtime	1 Bank	2 Bank	3 Bank	4 Bank	5 Bank	6 Bank	7 Bank	8 Bank
<b>Backup time - 30min</b>								
6 min	180.0	356.4	529.2	698.4	864.0	1026	1184	1339
10 min	140.0	277.2	411.6	543.2	672.0	798.0	921.2	1041
15 min	100.0	198.0	294.0	388.0	480.0	570.0	658.0	744.0
20 min	70.0	138.6	205.8	271.6	336.0	399.0	460.6	520.8
25 min	60.0	118.8	176.4	232.8	288.0	342.0	394.8	446.4
30 min	50.0	99.0	147.0	194.0	240.0	285.0	329.0	372.0

# Certifications



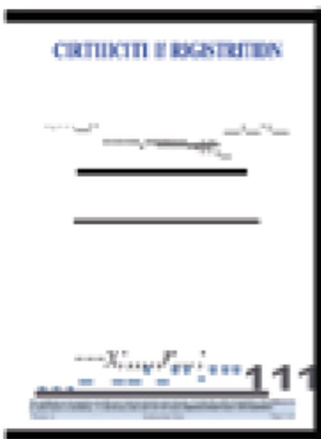
TL9000



SA8000



ISO9001



IATF16949



ISO14001



ISO45001

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### DC Telecom Solutions



### ESS Solutions



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