

## Low-Voltage UPS System Lead-Acid Replacement Series

Maximum 6C current output support, meeting series usage requirements for up to 8 groups / 40 groups. Supports peak power demands of 5.5KW@10MIN, making it the ideal configuration for traditional 1-3KVA UPS systems.

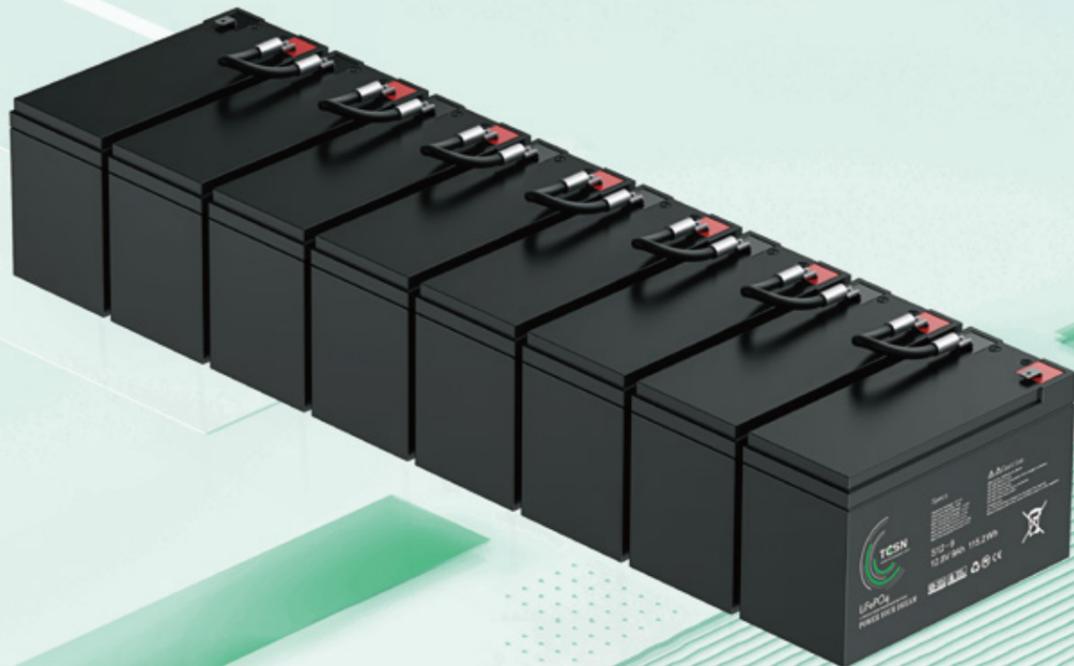
8 / 40 Groups in Series: More Than Just Additive  
A Revolutionary Leap in Density, Efficiency, and Safety

## Features and advantages

Utilizing traditional lead-acid battery casings, it seamlessly fits into existing battery spaces while delivering 4-5 times longer backup time and service life. With minimal modification costs and easy installation, this solution achieves a significant reduction in total lifecycle costs.

## Application industry

1-3K low-voltage UPS systems requiring short-term backup or rapid deployment.



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### Long Life Cycle

Achieves 2,000 cycles at high-rate discharge.



### Light in Weight

Compact size and reduced weight critically lower space costs in high-value data center environments.



### High Cycling Utilization

Enables peak/off-peak electricity price arbitrage and peak shaving, lowering electricity costs and delivering capacity expansion.



### Multi-String Configuration

Flexible scalability supporting up to 40 cells in series



### Easy Maintenance

Wider operating temperature range than lead-acid batteries, reducing both operational costs and maintenance requirements.



### Enhanced Safety

Industry-safest LFP (LiFePO4) battery technology

## Model Parameters

Model	Voltage (V)	Capacity(Ah)	Dimension (W*L*H)	Maximum Discharge Current (A)	Peak Discharge current (A)	Serial Connection	Terminal	Weight (Kg)
S12-6	12.8	6	90*70*100	18A	30A	40S	F1	0.6
S12-8	12.8	8	151*65*100	20A	40A	40S	F2	1.1
S12-9	12.8	9	151*65*100	27A	54A	40S	F2	1.3
S12-12	12.8	12	151*65*100	20A	60A	40S	F2	1.4
S12-18	12.8	18	181*77*167	40A	80A	40S	M5	2.0
E12-6	12.8	6	90*70*100	18A	30A	8S	F1	0.66
E12-8	12.8	8	151*65*100	20A	40A	8S	F2	1.1
E12-9	12.8	9	151*65*100	27A	54A	8S	F2	1.3
E12-12	12.8	12	151*65*100	20A	60A	8S	F2	1.4
E12-18	12.8	18	181*77*167	40A	80A	8S	M5	2.0