

IT1-SERIES

COMMERCIAL AND INDUSTRIAL ESS Battery ESS



100KW~250KW
Power



100KWH~600KWH
Energy



IP54
Protection Level



5000 TIMES
Cycle Life



Demand-side response:

According to local policies, users can obtain subsidies by responding to the dispatch of the grid company.



Emergency backup power:

Provide backup power to ensure continuous production in the event of a power outage.



Reduce demand cost:

Reduce the investment cost of transformer capacity increase by reducing the maximum power load.



Save cost:

Fully charge the battery during the low electricity price period and release it during the peak electricity price period to reduce electricity bills.

IT1-SERIES



Model	IT1-100100	IT1-100200	IT1-250600
Specs	100kW/100kWh	100kW/200kWh	250kW/600kWh
DC Side			
Battery Type	LFP	LFP	LFP
Cell Capacity	100Ah	280Ah	280Ah
Battery Module Connection	2P16S	1P16S	1P16S
Battery Module Capacity	10.24kWh	14.336kWh	14.336kWh
Battery Module Qty.	10	14	42(3 sets)
DC Voltage Range	448V~576Vdc	627.2V~806.4Vdc	627.2V~806.4Vdc
System Capacity	102.4kWh	200.7kWh	600.2kWh
C-rate	1C	0.5C	0.5C
AC Side			
Rated Power	100kW	100kW	250kW
Rated Voltage	AC380V	AC380V	AC380V
Rated Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Maximum Discharge Power	100kW	100kW	250kW
Maximum Charge Power	100kW	100kW	250kW
Isolation Type	Alternative		
System Parameter			
Protection Class	IP54		
Cooling	Air Conditioner		
Noise Level	<68dB (at 1 meter)		
Temperature & Humidity Range	-30°C to 50°C / 0~95% (No Condensation)		
Overload Capacity	110%@10 min; 120%@1 min		
Communication Protocol	Modbus RTU / Modbus TCP		
Fire Extinguishing	HFC-227ea	Aerosol fire protection	Aerosol fire protection
Size (W*D*H)	PCS: 1200*1250*2200mm Battery Cabinet: 1200*1250*2200mm	PCS: 1200*1250*2200mm Battery Cabinet: 1200*1250*2200mm	PCS: 1200*1250*2200mm Battery Cabinet: 3600*1250*2200 mm*3
System Weight	PCS: 730kg Bettery Cabinet: 2000kg	PCS: 730kg Bettery Cabinet: 3000kg	PCS: 1450kg Bettery Cabinet: 9000kg

* It is suitable for users in factories and parks whose transformer capacity is 500~1000KVA.

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