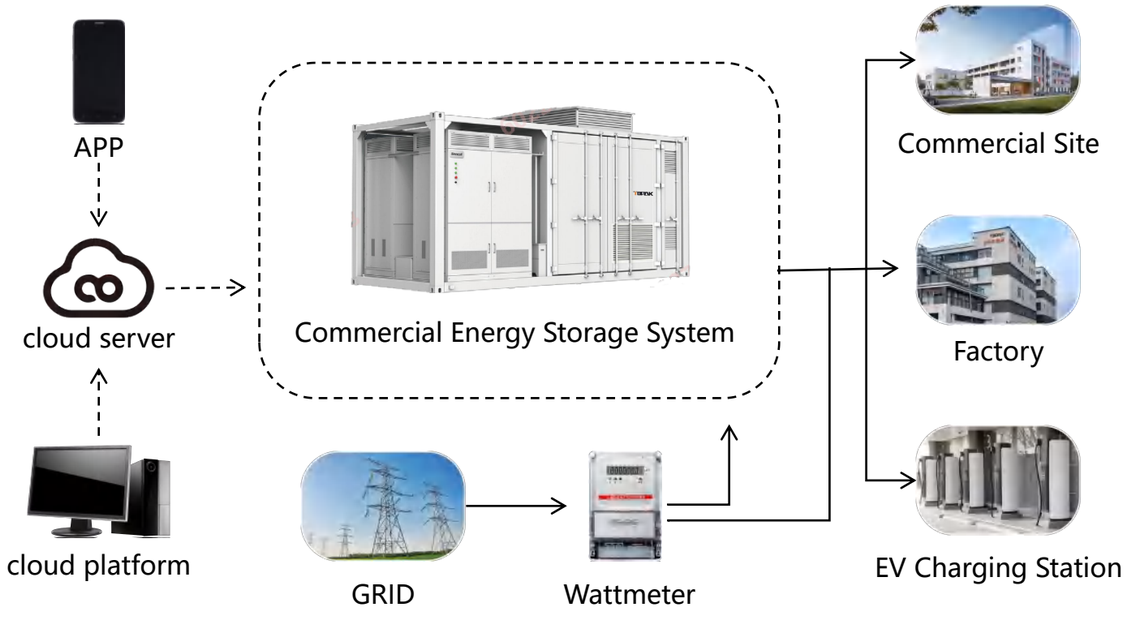
1.25-2.5MW PV Project Backup Energy Storage System



SYSTEM TOPOLOGY



PARAMETERS

MODEL	TP1.25MW-02A-M	TP1.725MW-02A-M	TP2.5MW-02A-M
DC-side parameters			
Voltage Range	1000-1500V	1000-1500V	1000-1500V
Rated Output Power	1250kW	1725kW	2500kW
Max. Current	1309A	1808A	2619A
AC-side parameters			
Rated Output Power	1250kVA	1725kVA	2500kVA
Rated AC Voltage	10kV	10kV	10kV
Rated AC Current	72.5A	68.7A	145A
Isolation Mode	Transformer Isolation		
Max. Total Harmonic Distortion	≤3% Rated Power		
Power Factor	-1~+1 Adjustable		
System parameters			
Storage Temperature Range	-25℃~+55℃		
Operating Temperature Range	-25℃~+50℃		
Operating RH	0%～95%		
Working Altitude	≤2000m		
Dimension(L*W*H)	5523*2400*2800mm	6058*2438*2896mm	5523*2400*2800mm
Net Weight	≈6T	≈9T	≈15T
Cooling Mode	Air Cooling		
Battery Communication Interface	CAN/RS485		
Dispatch Communication Interface	ModbusRTU/ModbusTCP/IEC104		