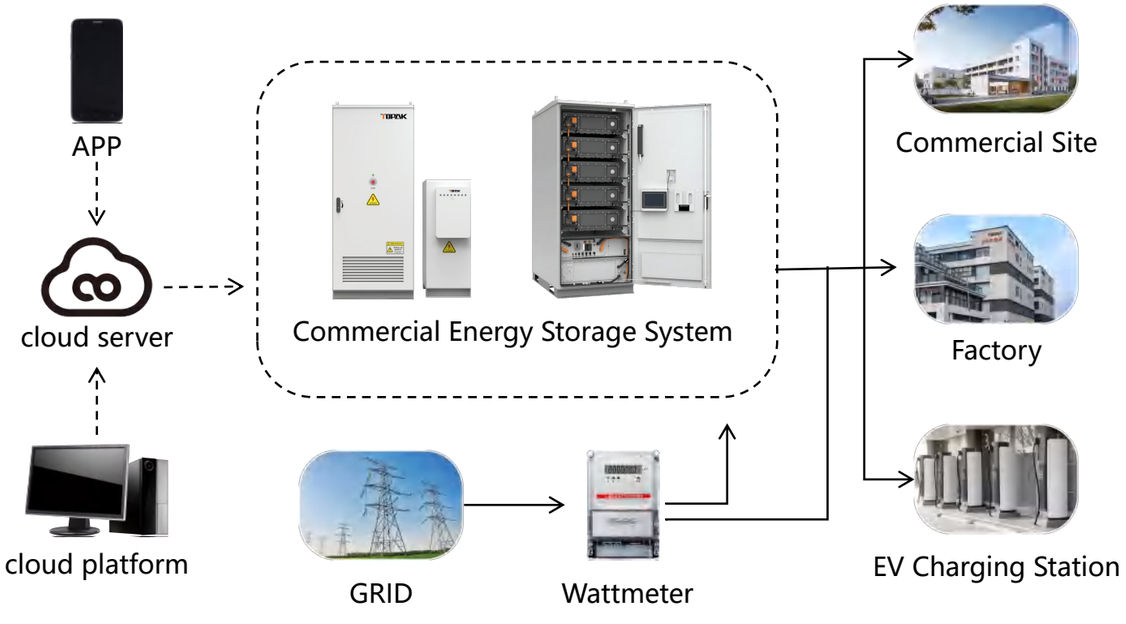
261kWh Liquid Cooling Commercial Energy Storage System





SYSTEM TOPOLOGY



PARAMETERS

MODEL	TP100KW-261kWh-01A-S	TP125W-261kWh-02A-S
Battery Chemistry	**LiFePO4@GF**	**LiFePO4@GF**
Total Capacity	261kWh	261kWh
Nominal Capacity	314Ah	314Ah
Nominal Voltage	832V	832V
Operating Voltage Range	702V-936V	702V-936V
Nominal Charging Current	157A	157A
Nominal Discharge Current	157A	157A
Storage Temperature Range	-30℃~+45℃	-30℃~+45℃
Operating Temperature Range	-20℃~+60℃	-20℃~+60℃
Operating RH	5%~95%	5%~95%
Working Altitude	≤2000m	≤2000m
Communication Type	LAN/RS485/CAN	LAN/RS485/CAN
IP Grade	IP54	IP54
L*W*H(Dimension)	1385*910*2203mm	1385*910*2203mm
Net Weight	≈2.3T	≈2.3T
Cooling Mode	Liquid Cooling	Liquid Cooling
Cycle	8000 Cycles	8000 Cycles
Calendar Life	15 Years	15 Years
PCS Parameters	**Optional**	
Ac Side:on-grid		
Rated Output Power	125kW	
Rated AC Current	216A	
Rated Operating Voltage	AC380/400V 50/60Hz	
AC Hamonic Voltage	<3%	
Ac Side:off-grid		
Rated Output Power	125kW	
Rated Operating Voltage	380/400V	
Max Output Power	125kW	
Approved Grid Freqvency Range	50/60Hz	
Degree Of Unbalance	100%	
PV		
Maximum Power (2 channels)	156kW	
Maximum DC Voltage	1100V	
Maximum PV Voltage	550V	
Starting Voltage	195V	
MPPT Voltage Range	180V-800V	
Else		
STS Handover Time	20ms	
Diesel Generator Function	Diesel generator can be linked	
Maximum Efficiency	98%	
Number of grid-connected/off-grid parallel machines	3	