

STAR T-285/306

Up to 4MWh Max Capacity



Standardized Design

20 ft Standard Container
5 ~ 10 Racks Option
Supports 1-4 Hour Applications

Ultimate Safety

Quadruple Fire Protection
Precision Fire Alarm Position
24/7 DC Insulation Monitoring

Intelligent Power Management

EMS Ensures System Safety
Cloud Platform Monitors Status

Outstanding Performance

RTE $\geq$ 93%
AC Available Capacity $\geq$ 94%

Smart Liquid Cooling

Auto-refill Coolant
Temperature Difference $\leq$ 4°C

LFP Battery

285Ah Cycle Life $\geq$ 9,000
306Ah Cycle Life $\geq$ 10,000

Product Specifications



PRODUCT MODEL	STAR T-285		STAR T-306	
BATTERY SPECIFICATIONS				
Battery Type	LFP			
Battery Model	285Ah		306Ah	
Max. Energy Capacity	3793kWh		4073kWh	
Energy Capacity	379.3kWh×N (5≤N≤10)		407.3kWh×N (5≤N≤10)	
Voltage Range	1164.8 ~ 1497.6Vdc			
Max. Charging&Discharging Power	3793kW		2000kW	
P-rate	1P		0.5P	
Cooling Method	Liquid Cooling			
Ingress Protection	IP55			
System Dimensions (W×D×H)	6058 ×2438×2896mm			
Weight	≈35T			
DC Channel	2/N		1/2/N	
Certifications	UN 38.3, UN 3536, UL 1973, UL 9540A, IEC 62619, IEC 61000-6-2/-4, IEC 62477-1, IEC 62933-5-2, IEC 63056, IEC 60730-1			
GENERAL SPECIFICATIONS				
Operating Temperature Range	-25 ~ 55 °C (>45°C derating)			
Relative Humidity Range	0 ~ 95% (No Condensation)			
Max. Working Altitude	4000m (>2000m derating)			
Fire Safety Equipment	Heat detectors, Aerosol, Smoke detectors, Flammable gas detector, Exhausting system, Dry pipe (optional)			