SUNSATHI
On Grid | Hybrid Inverter Manufacturer

TURBO S2
LITHIUM BATTERY

Power Today. **Secure** Tomorrow.



- Max. **32** unit Parallel
- Max. **1C** charging/ Discharge Current
- **>6000** Cycle Life times
- Optional aerosol fire suppression module.

Safe & Reliable
Advanced BMS for maximum safety

Long Life Cycle
6000+ cycles for long-lasting performance

High Performance
Consistent power for every need

Eco Friendly
Clean energy, green future

Smart Protection
Overcharge, Overdischarge, Overcurrent & Short Circuit Protection

Flexible & Scalable
Modular design for easy expansion

Easy Installation
Plug & play for hassle-free setup

Wide Compatibility
Works with leading inverters

Model	TB-S2-5.1	TB-S2-10.2
Electrical Parameters		
Nominal Voltage [V]	51.2	51.2
Nominal Capacity [Ah]	100	200
Nominal Energy [1] [kWh]	5.12	10.24
Voltage Range [V]	43.2 ~ 57.6	43.2 ~ 57.6
Max. Continuous Charging Current [A]	100	200
Max. Continuous Discharging Current [A]	100	200
General Data		
Battery Chemistry	$LiFePO_4$	
Dimensions (W * H * D) [mm]	454 * 585 * 135	454 * 635 * 240
Net Weight [kg]	48	87
Scalability	Max. 32 pcs pack (Max.163.84kWh) in parallel	Max. 32 pcs pack (Max.326.4kWh) in parallel
Ingress Protection	IP20	
Installation Type	Wall - mounted	Floor - mounted
Indicator	LED	
Cooling	Natural	
Communication Port	RS485 / CAN	
Operation Temperature Range [2] [°C]	-20 ~ +60	
Ingress Protection	IP20	
Operation Humidity	5 ~ 95%	
Altitude [m]	≤ 2000	
Cycle Life	6000 (@ 25°C / 0.5C / 70% EOL)	
Aerosol Fire Protection	Optional	
Heating Function	Optional	
Active Balancing	Optional	
Certification		
Certificates	IEC 62619, UN38.3	