E4

– LCD Monitor –



4.3 inches

Wi-Fi / 4G

TBB E4 is an intelligent central LCD touch monitor, providing intuitive, local and real-time control and monitoring for all TBB off-grid systems and energy storage systems. It can connect the system to the TBB NOVA online portal to monitor the system remotely.

Features

- Powerful local monitoring unit, displaying plentiful, and real-time running data and status of systems
- Time of Use: intelligent scheduling of energy from solar, battery, and grid/generator, control the charging and discharging of the system to achieve optimal management of system energy
- Support communication with an energy meter, and support monitoring the operation data of any brand of PV inverter via the energy meter
- Available graphs to view energy statistics by day, month, year
- Support 2,000 historical event records and 400 operation records
- Support USB Host and support data export and storage with U disk
- Compatible with NOVA online portal, connect to TBB NOVA Online Portal through Wi-Fi or 4G to realize remote monitoring and control, setting and upgrading
- Data logging: when it is connected to the internet, all data is sent to the NOVA online portal. When the internet connection is not available, the E4 LCD Monitor will store the data internally up to 7days; when the internet connection restores, the data can be uploaded to the NOVA Online Portal again
- Support communication with lithium battery and comprehensive lithium battery monitoring function
- AGS control function, intelligently control the start and stop of a generator, and monitor the running status and time of the generator
- Intelligent load control based on SoC and time
- Intelligent configuration of three-phase or parallel system

E4 LCD Monitor



Home Overview



Generator AGS Control Setting



AC Out 2 for intelligent load control



Working Mode Setting: Zero export to load, Zero export to CT and Selling first



Time of Use: intelligent scheduling of energy from solar, battery, and grid/generator



Available curve chart to dynamically display the change of load power

Model	E4 LCD Monitor	
LCD Parameters		
Size	4.3 inches	
Display screen size	95.04mm*53.86mm	
Resolution	480×272 pixels	
Backlight	LED	
Luminance	400 cd/m²	
Viewing angle	80°	
Touch technology	Capacitive Touch	
Touch points	Support 5-point touch	
Aspect ratio	16:9	
Electrical Parameters		
Nominal input voltage (VDC)	12	
Input voltage range (VDC)	9~16	
Operating current (mA)	100	
Peak current (mA)	250	
Internal communication port	RS485	
Energy meter communication port	RS485	
Lithium battery communication port	CAN	
External communication	Wi-Fi / RS485	4G / RS485
Other parameters		
Dimension (mm)(L*W*H)	115*80*38mm	
Net weight (g)	178	
Operating temperature	-20℃~+70℃	
Storage temperature	-30℃~+75℃	
Operating humidity	85% without condensation	
Protection category (IP Rating)	IP21	
Standard	CE	