

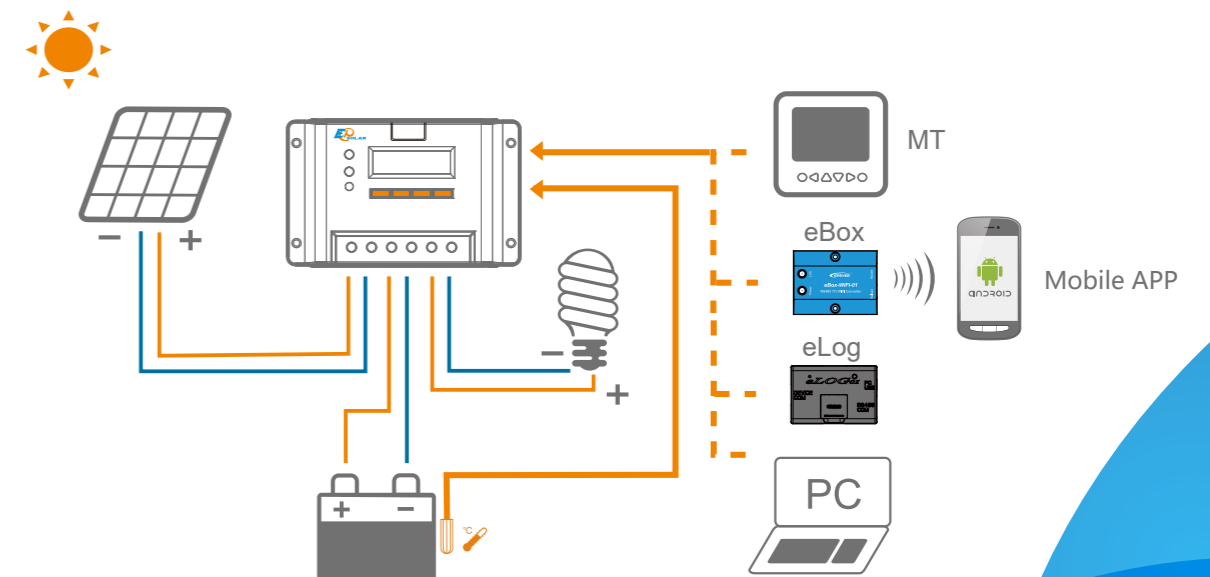
TECHNICAL SPECIFICATIONS

Model	VS1024BN	VS2024BN	VS3024BN	VS4524BN	VS6024BN
		VS2048BN	VS3048BN	VS4548BN	VS6048BN
Nominal system voltage	12/24V auto work	VS**24BN 12/24V auto work VS**48BN 12/24/36/48V auto work			
Rated charge current	10A	20A	30A	45A	60A
Rated discharge current	10A	20A	30A	45A	60A
Max. PV open circuit voltage	12V/24V 50V; 12/24/36/48V 96V				
Equalize charging voltage※	Sealed: 14.6V, Flooded: 14.8V, User-defined: 9~17V				
Boost charging voltage※	Gel: 14.2V, Sealed: 14.4V, Flooded: 14.6V, User-defined: 9~17V				
Float charging voltage※	Gel /Sealed /Flooded: 13.8V, User-defined: 9~17V				
Low voltage reconnect voltage※	Gel /Sealed /Flooded: 12.6V, User-defined: 9~17V				
Low voltage disconnect voltage※	Gel /Sealed /Flooded: 11.1V, User-defined: 9~17V				
Self-consumption	≤15mA(12V); ≤10mA(24V); ≤9mA(36V); ≤8mA(48V)				
Temp. compensation	-3mV/°C/2V (default)				
Communication	RS485(RJ45 interface)				
Grounding	Common negative				
Enclosure	IP30				
Working environment temperature	-25°C~+55°C				
Relative humidity	≤95% (N.C.)				

※ Technical data for 12V system at 25°C, twice in 24V system, triple in 36V system and quadruple in 48V system.

※ Programmable voltage value by PC, MT50 and APP.

Model	VS1024BN	VS2024BN	VS3024BN VS2048BN	VS4524BN VS3048BN	VS4548BN	VS6024BN	VS6048BN
Dimension	162×85×40mm	162×100×50mm	200×103×58mm	201×109×59mm	205×119×67mm	205×129×67mm	205×174×64mm
Net weight	0.2kg	0.4kg	0.7kg	0.9kg	1.2kg	1.3kg	1.5kg



ViewStar -BN series PWM solar charge controller














This Viewstar BN series is common negative controller, with LCD display, working data programmable, It has communication function via RS485 port to PC monitoring software, realizing real-time monitoring and battery management parameter setting.

FEATURES

- PWM charging
- 32 bit MCU with high speed
- Battery type selection: Sealed, Gel, Flooded, and User(programmable)
- Intelligent lighting and timer control for solar lighting system
- 12 bit A/D high-precision sampling to ensure accuracy
- Full control parameters setting and modification, diversified load control mode
- Humanized design of browser interface
- Battery temperature compensation
- Adopt graphics dot-matrix LCD screen and 4 buttons for integrated menu displaying and operation
- Real-time energy statistics
- RS485 port with industrial standard MODBUS open architecture
- Real-time data monitoring and parameters setting with MT50, APP or PC software
- Support firmware upgrade



PRODUCT FAMILY

 VS**24BN 12/24V 10A,20A,30A,45A,60A	 VS**48BN 12/24/36/48V 20A,30A,45A,60A	 eBox-BLE-01 Bluetooth adapter with 2m communication cable	 eBox-WIFI-01 WIFI adapter with 2m communication cable
 eLOG01 Logger with 2m RS485/1.5m USB communication cable	 MT50 Remote meter with 2m communication cable	 PC software	 Mobile APP
 RTS300R47K3.81A Remote temperature sensor(3m)	 CC-USB-RS485-150U PC communication cable (1.5m)	 OTG-12CM OTG cable (12cm)	