

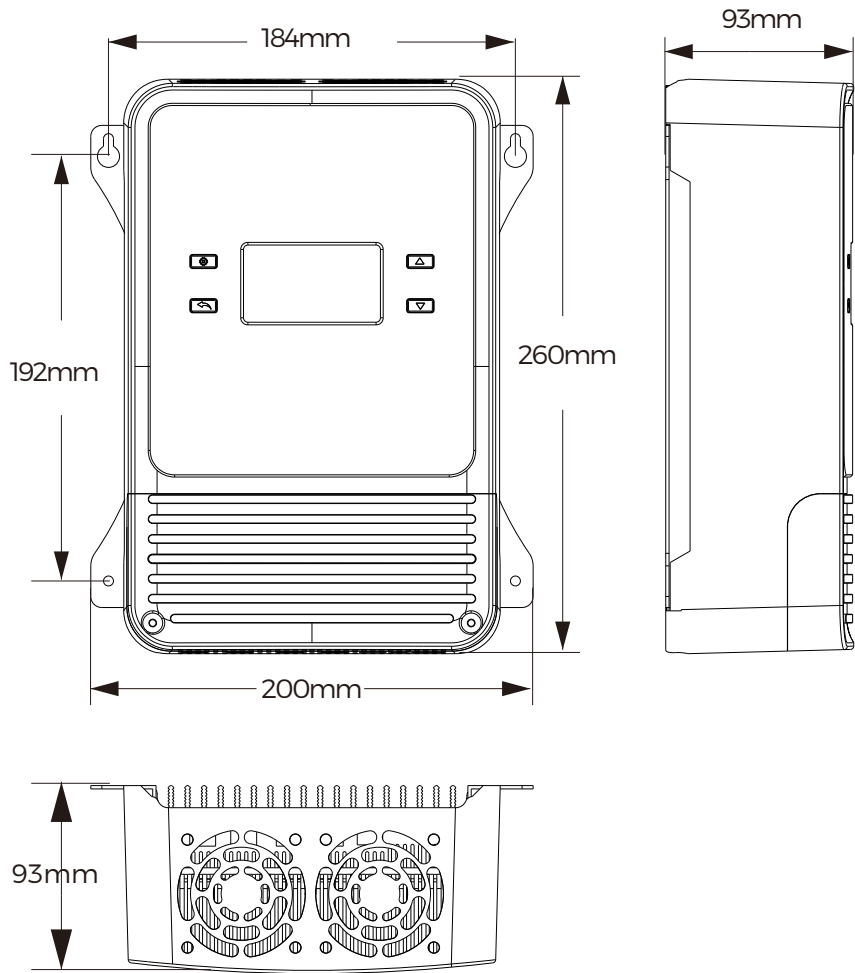
Technical Parameters

The variable “n” is adopted as a multiplying factor when calculating parameter voltages, the rule for “n” is listed as: if battery system voltage is 12V, n=1; 24V, n=2; 36V, n=3; 48V, n=4.

For example, the equalize charge voltage for a 12V FLD (Flooded) battery bank is 14.8V*1=14.8V. The equalizing charge voltage for a 24V FLD (Flooded) battery bank is 14.8V*2=29.6V.

Parameter	Value				
Model No.	M4880F			M48100F	
System Wiring Grounded	Negative Grounded				
Battery System Voltage	12V/24V/36V/48V Auto (FLD/GEL/SEL/USE) Manual (LI/USE)				
No-load Loss	12ma(12V), 10ma(24V), 8ma(36V), 6ma(48V)				
Max Solar Input Voltage	<150Voc				
Rated Solar Charge Current	80A			100A	
Max Solar Input Power	1200W/12V; 2400W/24V 3600W/36V; 4800W/48V			1500W/12V; 3000W/24V 4500W/36V; 6000W/48V	
Operating Temperature	-25°C ~ +45°C				
Fan-on Temperature	> 45°C				
Storage Temperature	-40°C ~ +80°C				
IP Protection	IP32				
Net Weight	2.0 kg			2.0 kg	
Communication Port	RS485(RJ12) + BT (Optional)				
Support Parallel	Support parallel (up to 9 units)				
Operating Altitude	≤ 3000 meters				
Controller Dimension(mm)	260*200*93				
Parameter	Battery Parameters				
Battery Types	FLD	SEL	GEL(default)	USE(adjustable)	LI (adjustable)
Equalize Charge Voltage	14.8V*n	14.6V*n	--	--	--
Boost Charge Voltage	14.6V*n	14.4V*n	14.2V*n	Default: GEL	Default: 14.2V*n
Float Charge Voltage	13.8V*n			Default: GEL	--
Boost Charge Recovery Voltage	13.2V*n			Default: GEL	--
Over-discharge Recovery Voltage	--			--	--
Over-discharge Voltage	--			--	--
AutoTemperature Compensation	-3mV/2V/°C			Default: GEL	--
Accessory List	Package Status				
External Temperature Sensor	Yes				
External LCD Display Screen	No				
Inbuilt Bluetooth	No				
Installation Guide Board	No				
User Manual	Yes				

Product Dimension



M4880F/M48100F Model

Product Dimension: 260*200*93mm
Installation Area Dimension: 192*184mm
Installation Hole Size: φ5mm&φ10mm
Connection Socket Size: 10*10mm