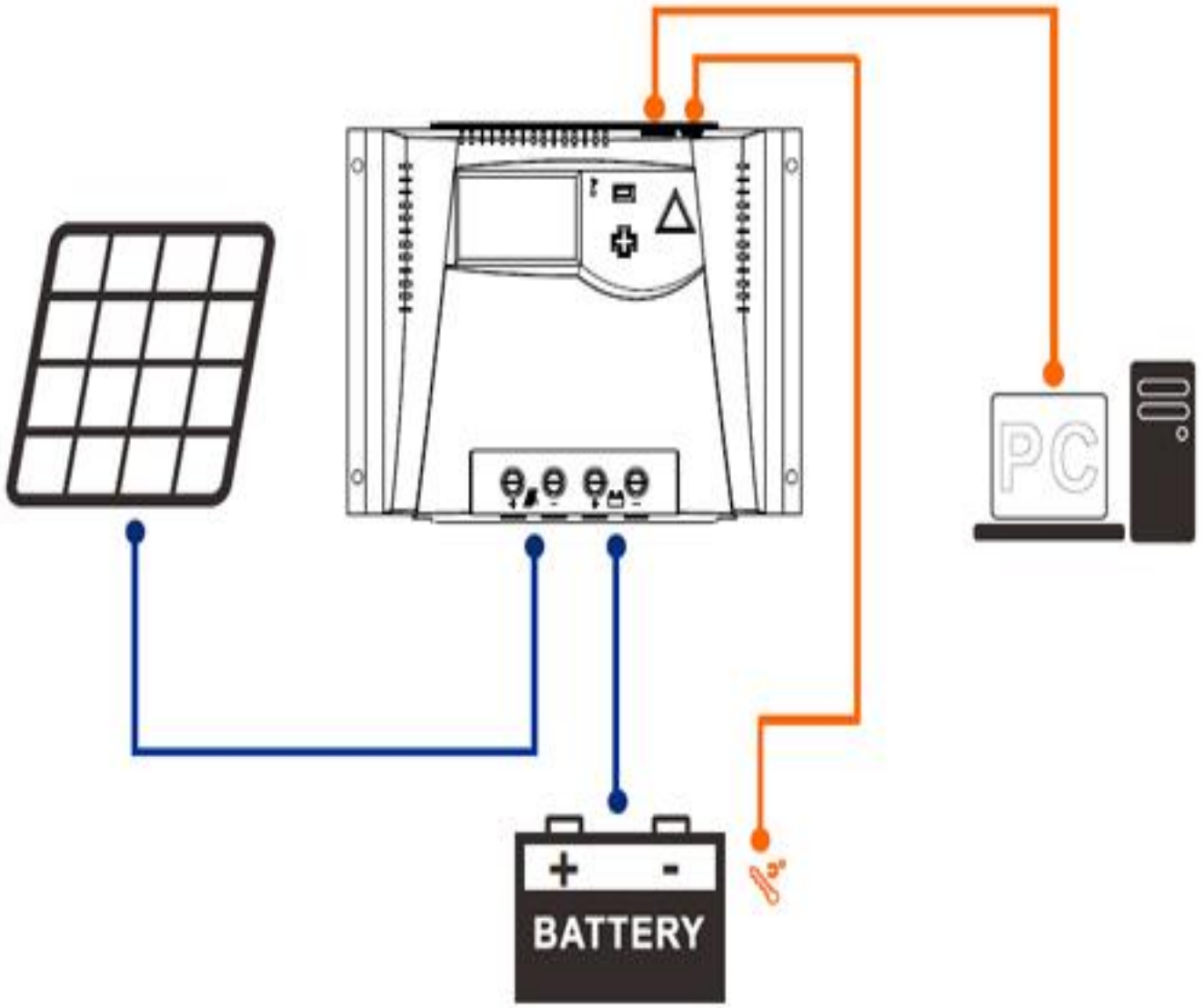


Technical Data

Model	SK100D	SK10048D
Input		
PV voltage	≤50V	≤100V
Rated current	80A	80A
Output		
System voltage	12V/24V (Auto)	48V
HVD	16.00V×1/×2/×3/×4	
Rated current	80A	80A
No-load loss	≤13mA	≤15mA
Charge loop voltage drop	≤0.17V	≤0.28V
Discharge loop voltage drop	≤ 0.10V	≤ 0.10V
Charging mode	PWM 4-stage (bulk, absorption , float, equalized)	
Voltage of float charging	13.8(13V~15V)×1/×2/×3/×4	
Voltage of absorption charging	14.4V(13V~15V) ×1/×2/×3/×4	
Duration of absorption charging	2hs	
Voltage of equalized charging *	14.6V(13V~15.5V) ×1/×2/×3/×4	
Duration of equalized charging	2hs	
LVD	10.7V(10V~14V) ×1/×2/×3/×4	
LVR	12.6V(10V~14V) ×1/×2/×3/×4	
Load working mode	Regular control mode	
	Light control with switch-off point at night and switch-on point before dawn	
	Light control mode	
	Self-timing switch on/off mode	
Light control voltage	5V(1V~10V) ×1/×2/×3/×4	
Battery type	GEL, SLD, FLD and USr(default)	
Other		
Buttons	LCD, 3 buttons	
Heat sink	AL alloy heat sink	
Wiring	PCB terminal, ≤16mm ²	
Working temperature	-20 ~ +55 °C	
Storage temperature	-30 ~ +80 °C	
Working humidity	10% ~ 90%, no condensation	
Dimension	220 x 153 x 77.5 mm	
Net Weight	1625g	1625g
IP grade	IP30	

Optional function	Remote communication , TTL, standard ModBus protocol
Accessory	Temperature sensor



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