

## 7 Technical data

Model	20DU	30DU	2048D	3048D
<b>Input</b>				
PV voltage	≤50V	≤50V	≤100V	≤100V
Rated Current	20A	30A	20A	30A
<b>Output</b>				
System Voltage	12V/24V Auto	12V/24V Auto	48V	48V
HVD	16.00V ×1/×2/×3/×4			
Rated discharge current	20A	30A	20A	30A
No-load loss	≤13mA		≤25mA	
Charge loop voltage drop	≤0.21V	≤0.24V	≤0.25V	≤0.25V
Discharge loop voltage drop	≤0.12V	≤0.1V	≤0.12V	≤0.10V
Charging mode	PWM Multi-stage (bulk, absorption, float, equalized)			

Voltage of float charging	13.8V(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	10.8V(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	
Light control voltage	5V(1V~10V) ×1/×2/×3/×4	
Battery type	GEL, SLD, FLD and USr(default)	
USB	5V 1A	None