

MPPT SOLAR CHARGER 20A/40A/60A



Technical specifications

- 20A/40A/60A MPPT Solar charge control
- 12V/24V/36V/48V auto work
- MPPT efficiency>99% , Peak efficiency>98%
- DSP processors architecture ensures high speed and performance
- Multi stage charging method
- Protection: PV array short circuit, battery reverse polarity, over charging, output short circuit

Model		2010A	4010A	6015A
Default battery system voltage		12VDC/24VDC (auto detection)		12VDC/24VDC/36VDC/48VDC (auto detection)
CONTROLLER INPUT	PV open circuit voltage	100VDC@12V 145VDC @24V		100VDC @12V/ 145VDC @24V/ 145VDC @36V/ 145VDC @48V
	PV Array MPPT voltage range	16V~100V @ 12V 32V~130V @ 24V		16VDC~100VDC / 32VDC~130VDC / 48VDC~10VDC /64VDC~130VDC
	Max PV input power (12V)	300W	600W	800W
	Max PV input power (24V)	600W	1200W	1600W
	Max PV input power (36V)	—	—	2400W
	Max PV input power (48V)	—	—	3200W
BATTERY	Absorption voltage	12.5VDC / 25.0VDC		12.5VDC / 25VDC / 37.5VDC / 50VDC
	Refloat voltage	13.7VDC / 27.4VDC		13.7VDC / 27.4VDC / 41.4VDC / 54.8VDC
	Float voltage	14.3VDC / 28.6VDC		14.3VDC / 28.6VDC / 2.9VDC / 57.4VDC
	Low voltage protection point	10VDC / 20VDC		10VDC/20VDC/30VDC/40VDC
DC OUTPUT	Output voltage	10.0~14.5VDC 20.0~29.0VDC		10.0~14.5VDC / 20.0~29.0VDC 30.0~43.5VDC / 40.0~48.0VDC
	Peak conversion efficiency	98% (MPPT Efficiency 99%)		
	Max charging current continuous	20A	40A	60A
	Max output current	20A		60A
	Low voltage alarm	10.25VDC / 20.5VDC		10.25VDC / 20.5VDC / 30.75VDC / 41.0VDC
	Low voltage cutoff	10.0VDC / 20.0VDC		10.0VDC / 20.0VDC / 30.0VDC / 40.0VDC
	Low voltage recovery	11.0VDC / 22.0VDC		11.0VDC / 22.0VDC / 33.0VDC / 44.0VDC
GENERAL SPECS	Radiating mode	Automatic cooling		
DISPLAY & PROTECTION	LED indicator	Systematic operation, LV indication, LV protection, over charge protection, loads protection, short circuit protection		
	LCD display	Charge voltage, charge current, battery voltage, capacity of battery , output current		
	Alarm protections	PV array short circuit, PV reverse polarity		
		Battery reverse polarity, over charging protection		
		Output short circuit protection		
		Low voltage protection for storage battery		
MECHANICAL SPECIFICATIONS	Mounting	Wall mount		
	W*H*D (mm)	154*236*88mm		205*371.7*124.3mm
	Net weight (kg)	2.2Kg	2.65Kg	6.45Kg
OTHER	Environmental rating	Indoor		
	Operation temp	-25°C ~ 55°C		
	Ambient humidity	0~90% relative humidity(non-condensing)		
	altitude	≤3000m		



Figure 2-6015A

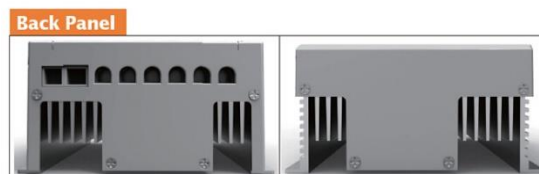


Figure 1-2010A & 4010A