

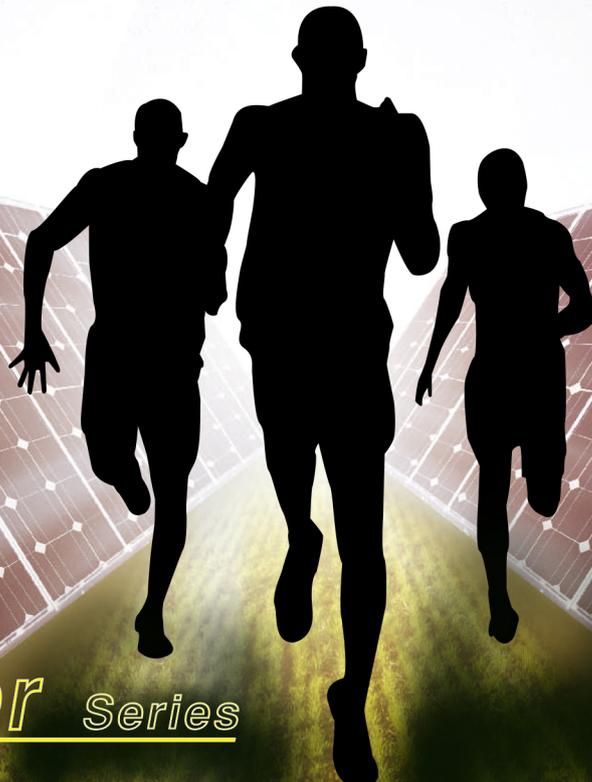
MPPT

Solar Charge Controller

Off-Grid Power Generation System Preferred Products



- ☀ MPPT Efficiency $\geq 99.5\%$
- ☀ High Definition LCD Display
- ☀ Suitable For 12V/24V/36V/48V Batteries
- ☀ Suitable For Li-ion Batteries
- ☀ Activation For Li-ion Batteries
- ☀ Support Parallel Connection/Compatible With PC Software Or APP
- ☀ CE / RoHS / FCC Certifications approved



Runner Series

☀ R4860

☀ R4850

☀ R4840

ISO14001 : 2015

ISO9001 : 2015

Runner Series		R4840	R4850	R4860
Product Category				
MPPT efficiency		≥99.5%		
Standby power		0.5W~1.2W		
Heat-Dissipating method		Fan-cooling		
Battety system voltage range	12V system	9VDC~15VDC		
	24V system	18VDC~30VDC		
	36V system	32VDC~40VDC		
	48V system	42VDC~60VDC		
	Li-ion	8VDC~60VDC(Default),≤60VDC(Optional activation function)		
Input Characteristics				
Max.PV input voltage(Voc)		150VDC		
Min.Vmpp Voltage		Battery voltage + 2V		
Start-up charging voltage		Battery voltage + 3V		
Low input voltage protection		Battery voltage + 2V		
Over voltage protection / Recovery		150VDC/145VDC		
Reted PV power	12V system	520W	650W	780W
	24V system	1040W	1300W	1560W
	36V system	1560W	1950W	2340W
	48V system	2080W	2600W	3120W
	Li-ion	504W~2016W	630W~2520W	756W~3024W
Charge Characteristics				
Activation for lithium battery		Optional		
Battery types (Default Gel battery)		Sealed(SEL),Gel(GEL),Flooded(FLD),User-defined(USE),Li-ion(Lit)		
Rated charge current		40A	50A	60A
Temperature compensation		-3mV/°C/2V(default)		
Charge method		3 stages: CC (Constant current) - CV (Constant voltage) - CF (Floating charge)		
Output voltage stability accuracy		≤±0.2V		
LOAD Characteristics				
Load voltage		Same as battery voltage		
Rated load current		30A		
Load control mode		On, Off , PV voltage control mode, Dual-time control mode, PV + Time control mode		
Low voltage protection		10.5V (default), 11V (restored), settable		
Setting method		PC software / APP / Controller		
Display & Communication				
Display		High-definition LCD segment code backlight display		
Communication		Dual RJ45 port / RS485 / support PC software monitoring / support WiFi module for APP cloud monitoring / support centralized parallel monitoring		
Other Parameters				
Protections		Input & output over-volt / low-voltage protection, reverse polarity protection, over-heating protection, battery shedding protection etc.		
Operating ambient temperature		-20°C~+50°C		
Storage temperature		-40°C~+75°C		
IP(Ingress protection)		IP21		
Altitude		0~3000m		
Max. Witing size		28mm2		
Recommended breaker		≥ 63A		≥ 100A
N.weight /G.weight (KG)		2.15 / 3.05		
Product size /Packing size (mm)		305×185×72 / 420×275×150		