

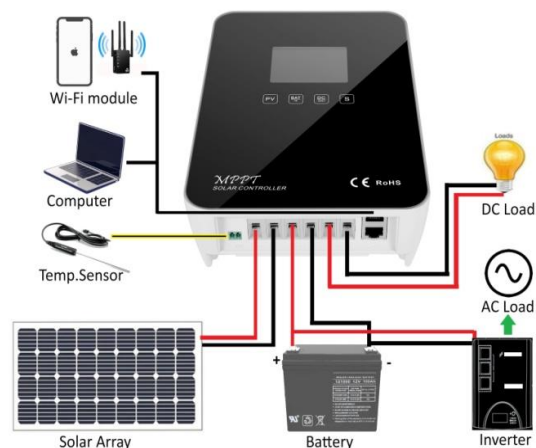


40-50Amp MPPT Charge Controller



Features:

- * High-efficient MPPT algorithm, conversion rate $\geq 99.5\%$
- * Intelligent interaction experience
- * All-in-one integrated design, high stability and reliability
- * Support Seal/Gel/Flooded/ Lithium and other batteries
- * Various electronic protections
- * Three stages charging mode: CC, CV, CF
- * High definition LCD segment display
- * Dual RS485 ports, support parallel communication
- * Natural cooling, IP43, against dust, rain and lightning
- * Support PC and APP (Android & iOS) monitoring
- * Lithium-ion battery self activation function (Optional)



Application Possibilities:-

Residential and Commercial rooftops:-



Solar Farming:-



Awning & Canopies:-



Street lights:-



Fences:-



Balconies:-



Solar Kit:-



Car ports:-



Solar Mobile Van:-



Solar Boat:-



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40-50Amp MPPT Charge Controller

MPPT Series	Performance Parameter		40A		50A	
Product Category	MPPT Efficiency		≥99.5%			
	Standby Power		0.5W-1.2W			
	Heat-dissipation		Natural-cooling			
	Battery System	12V System	9VDC - 15VDC (Lead-acid)			
		24V System	18VDC - 30VDC (Lead-acid)			
	Voltage Range	Lithium-ion	18VDC - 30VDC (Default), ≤30VDC(Optional activation function)			
PV Input Charateristics	Max. PV Input (Voc)		DC150V			
	Min. Vmpp Voltage		Battery Voltage +2V			
	Start-up Charge Voltage		Battery Voltage +3V			
	Low Input Volt Protection		Battery Voltage +2V			
	Over Voltage Protection/Recovery		100VDC /95VDC (Default)			
	PV Rated Power	12V System	520W	650W		
		24V System	1040W	1300W		
		Lithium-ion	504W-1008W	630W-1260W		
Charge Charateristics	Activation for Lithium Battery		Optional			
	Battery Types		GEL(Default), Sealed(SEL), Flooded(FLD), Lithium(Lit), User-defined(USE)			
	Rated Charge Current		40A		50A	
	Charge Method		3 stages: CC (Constant Current), CV (Constant Voltage), CF (Floating Charge)			
Load Charateristics	Load Voltage		Same as battery voltage			
	Rated Load Current		30A			
	Load Control Mode		On, Off, PV control, Dual time control, PV+Time control			
Display & Communication	Display		High definition LCD segment backlight			
	Communication		8Pin RS485 communication for PC and APP			
Others	Protections		Input & output over/low voltage, reverse connection, over temperature, short circuit, battery shedding etc.			
	Ingress Protection		IP43			
	Operation /Storage Temperature		-20	- +50	/-40	- +75
	Max. Wiring Size		28 MM ²			
	Recommended Breaker		≥63A		≥100A	
	N.Weight /G.Weight		2.35/2.78			
	Product /Packing Size (MM)		245*170*68.5 /334*255*123			