



ipanda

MPPT Solar Charge Controller

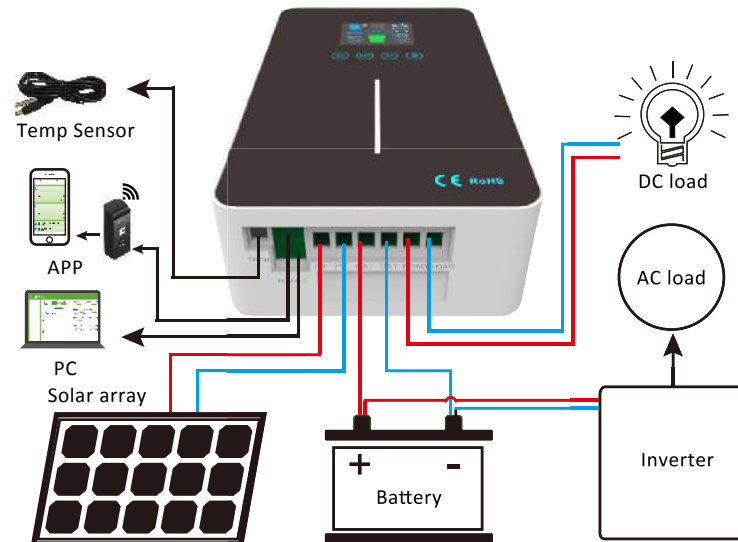


MPPT SOLAR CHARGE CONTROLLER

Features:

- * High-efficient MPPT algorithm, conversion rate $\geq 99.5\%$
- * Double in and out ventilation
- * Auto-detect battery system voltage
- * Support Seal/Gel/Flooded /Lithium-ion battery
- * Three stages charging mode: CC, CV, CF
- * Current-limited charging function
- * Various electronic protections
- * Dual RS485 ports, support parallel communication
- * Intelligent human-machine interaction experience
- * Touch switch and wakeup, HD industry-leading LCD display
- * Support PC and APP (Android & iOS) monitoring
- * Lithium-ion battery self activation function (Optional)
- * 24 months warranty, life-time free technical support

More colors and functions can be customized (OEM/ODM)



Standard accessories



- * Temp sensor
- * User manual



- * Installation kit

Optional accessories



- Wi-Fi module
- RS485-USB cable

Runner Series

Runner Series		Runner-40A	Runner-50A	Runner-60A	Runner-80A	Runner-100A
Product Category	Controller Properties	MPPT (Maximum Power Point Tracking)				
	MPPT Efficiency	≥99.5%				
	Standby Power	0.5W-1.2W			//	
	System Voltage	Auto-recognition				
	Heat-dissipation	Fan-cooling				
Input Characteristics	Max. PV Input Volt Point	DC150V			DC150V	
	Start Charge Volt Point	Battery Voltage +3V			Battery Voltage +3V	
	Low Input Volt Protection Point	Battery Voltage +2V			Battery Voltage +2V	
	Over Voltage Protection Point	DC150V			DC300V	
	PV Rated Power	12V System	520W	650W	780W	1040W
24V System		1040W	1300W	1560W	2080W	2600W
36V System		1560W	1950W	2340W	3120W	3900W
48V System		2080W	2600W	3120W	4160W	5200W
Charge Characteristics	Battery Types	GEL(Default), Sealed(SEL), Flooded(FLD), Lithium(Lit), User-defined(USE)				
	Rated Charge Current	40A	50A	60A	80A	100A
	Charge Method	3 stages: CC (Constant Current), CV (Constant Voltage), CF (Floating Charge)				
Load Characteristics	Load Voltage	Same as battery voltage				
	Rated Load Current	30A	30A	30A	//	//
	Load Control Mode	On, Off, PV control, Dual time control, PV+Time control				
Display & Communication	Display	High definition LCD segment backlight display				
	Communication	8Pin RS485 for PC and APP				
	Dry Contact Access Voltage	5V-12V				
Others	Protections	Input over/low voltage, output over/low voltage, reverse connection, over temperature, short circuit, battery shedding etc.				
	Operation Temperature	-20 C - +50 C				
	Storage Temperature	-40 C - +75 C				
	IP (Ingress Protection)	IP21			//	
	Max. Connection Cable	28MM ² /AWG			//	
	Altitude	0-3000M			//	
	Recommended Breakers	≥100A			//	
	Net /Gross Weight (KG)	2.15 /3.05			//	
Product /Packing Size (MM)	305*185*72 /412*271*146			//		

“//” marked data will be completed when it is confirmed.