






SUNWIND® MPPT Solar Controller Family Comparison

Item \ Series	e-Smart Series	Smart1 Series		Smart2 Series	
Rate Current	15A 20A 25A 30A 40A	20A 30A	40A 50A 60A	20A 25A 30A	40A 50A 60A
Picture					
Auto Recognition	12V/24V/48V	12V/24V/48V/96V	12V/24V/48V	12V/24V/48V	
Power From	Battery	Solar Panel	Battery	Battery	
Charging Type	MPPT(Maximum Power Point Tracking)				
Charging Mode	Fast charge/Constant charge/Floating charge				
Max. PV Input Volt. (Open Circuit Volt.)	100V	300V	150V	150V	
MPPT Working Voltage Scope	12V System	DC14V ~ DC100V	DC18V ~ DC150V		DC18V ~ DC150V
	24V System	DC30 ~ DC100V	DC34 ~ DC150V		DC34 ~ DC150V
	48V System	DC60 ~ DC100V	DC65DC150V		DC65 ~ DC150V
	96V System	/	DC125 ~ DC300V	/	/
Battery Type	Vented ,Sealed,Gel,NiCd,Other types of battery can be charged after adjusting through the user-definedsoftware				
4General type Battery Set	Controller/Upper PC				
Special Typ Battery Set	Upper PC			Controller/Upper PC	
Rated Output Current	30A	/		40A	
Output Control Ways	Normal Open; Normal Close; PV Volt. Control	/		Normal Open;Normal Close; PV Volt. Control; Dual-Period of time Control; PV Volt. Control and Time-lapse Control	
Output Control Set Ways	Controller/Upper PC	/		Controller/Upper PC	
Display	LED Digital	LCD Display		LCD Display	
Display Content	2 digits Volt. And Current	PV Volt, Charging Volt., Charging Current, Temperature, Working Status, Error Indicate, Model No., LOGO, Etc.			
Upper PC Communication	RS232	RS232		RS232 or LAN	
Gate and IP Address	/			Setable	
Communication Stability	Weak	Strong		Strong	
Mistake-Proof Plug	○	●		○	●
Thermal Release	15A Heat Sink/ 20A Temperature Control Switch Fan	Temperature Control Switch Fan		Temperature Control Switch Fan	