

MPPT charge controller for 24V Battery

		Input - PV Panel		
		Min	Typ	Max
	Voc (V)	-	-	48
	Mpp Voltage (V)	25	30	36
	MPP Current (A)	-	15.0	
	Power (Wp)	-	500	
	Panel intelligence	MPPT		
		Output - Battery		
	Voltage (V)	20.0	24.0	29.0
	Boost level (V)*	28.1	28.8	29.0
	Float level (V)*	27.1	27.2	27.4
	Temperature compensation*	-2mV/°C/cell		
	Standby current (mA)	-	-	1.0
	Battery Current (A)		20	
		Indicators		
	Condition	LED status		
	Normal Charging	Green ON		
	Load connected	Yellow ON		
	Load disconnect (low battery)	Red ON		
	Float charging	Green blink		
		Protections		
		<ul style="list-style-type: none"> Lightning Panel reversal Battery reversal Short circuit 		
		Efficiency		
		95	98	99
	Data Logging (optional)	Panel Voltage, Battery Voltage, Panel Current, Battery Current, Temperature		
	Communication	RS485		
	Enclosure	IP-20		
	Operating temperature (°C)	-20 to 55		
	Connectors (Panel+, Panel-, Battery+, Battery-, RS485-A/B)	TBD		
	Fuse Rating	15A glass cartridge		
Highlights				
	<ul style="list-style-type: none"> 500Wp (24V, 20A) MPPT controller MPPT technology Temperature compensation PWM float charging Optional Provision of data logging IP 65 enclosure option is available on request Thin film version available on request 			

*- values can be custom programmed for various batteries and operating condition