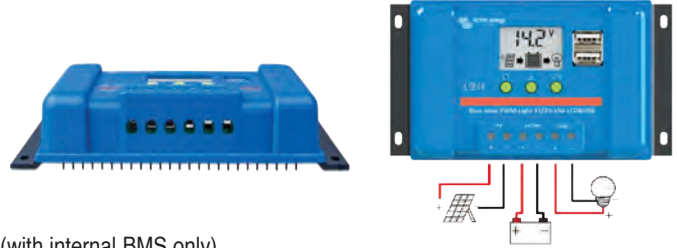


**NEW**

## PWM CHARGE CONTROLLER IP20

### BlueSolar Charge Controller

- Liquid Crystal Display
- Two 5 Volt USB outputs
- Day/Night timing with option for preset On-time after dusk
- Three stage battery charging (bulk, absorption, float), fully programmable
- Load output with low voltage and manual disconnect (programmable)
- Load output protected against overload and short circuit
- Preprogrammed algorithms for **AGM, GEL, Flooded or LiFePO4 batteries** (with internal BMS only)



Code	CC-5-12/24	CC-10-12/24	CC-20-12/24	CC-30-12/24	CC-10-48	CC-20-48	CC-30-48
Battery Voltage	12/24V with Automatic Voltage Detection				48V		
Rated Charge Current	5A	10A	20A	30A	10A	20A	30A
Charge Voltage Absorption (Factory Sett.)	14.4V / 28.8V				57.6V		
Charge Voltage Float (Factory Sett.)	13.7V / 27.4V				54.8V		
Low Voltage Load Disconnect (Factory Sett.)	11.2V / 22.4V				44.8V		
Low Voltage Reconnect (Factory Sett.)	12.6V / 25.2V				50.4V		
Maximum Solar Voltage	28V / 55V				100V		
Load Output	Manual Control + Low Voltage + Timer						
Outputs	5V/2A (Total) USB x 2 Outputs						
Weight	0.15kg			0.3kg			
Dimensions (mm)	96 x 169 x 36			101 x 184 x 47			

	PWM Light			PWM Pro		
<b>Code</b>	<b>BLUESOLAR-5</b>	<b>BLUESOLAR-10</b>	<b>BLUESOLAR-20</b>	<b>BS-PRO-10</b>	<b>BS-PRO-20</b>	<b>BS-PRO-30</b>
Rated charge current	5A	10A	20A	10A	20A	30A
Battery Voltage	12/24V (Auto)	12/24V (Auto)	12/24V (Auto)	12/24V (Auto)	12/24V (Auto)	12/24V (Auto)
Max. Solar Voltage	28/55VDC	28/55VDC	28/55VDC	28/55VDC	28/55VDC	28/55VDC
Dimensions (mm)	70 x 133 x 34	70 x 133 x 34	70 x 133 x 34	138 x 70 x 37	160 x 82 x 48	200 x 100 x 57
External Temp Sensor	-	-	-	<b>BS-PRO-TC</b>	<b>BS-PRO-TC</b>	<b>BS-PRO-TC</b>
Communication Cable	-	-	-	<b>BS-PRO-IC</b>	<b>BS-PRO-IC</b>	<b>BS-PRO-IC</b>

## MPPT SOLAR CHARGE CONTROLLERS

### Blue Solar MPPT Charge Controllers

Smart Phone monitoring & control. Using Bluetooth Dongle.							
<b>Code</b>	<b>BS-MPPT-75/15</b>	<b>BS-MPPT-100/15</b>	<b>BS-MPPT-100/50</b>	<b>BS-MPPT-150/35</b>	<b>BS-MPPT-150/70</b>	<b>BS-MPPT-150/85</b>	
Rated charge current	15A	15A	50A	35A	70A	85A	
Load Output	15A	15A	-	-	-	-	
Battery Voltage	12/24V (Auto)	12/24V (Auto)	12/24V (Auto)	12/24/48V (Auto)	12/24/36/48V (Auto)	12/24/36/48V (Auto)	
Nom. PV Power 12/24/48V	220/440W	220/440W	700/1400W	500/1000/2000W	1000/2000/4000W	1200/2400/4850W	
Max Solar Voc/Isc	75VDC/15A	100VDC/15A	100VDC/60A	150VDC/40A	150VDC/50A	150VDC/50A	
Comms Protocol	VE.Direct	VE.Direct	VE.Direct	VE.Direct	VE.Can	VE.Can	
Dimensions (mm)	100 x 113 x 40	100 x 113 x 47	130 x 186 x 70	130 x 186 x 70	350 x 160 x 135	350 x 160 x 135	