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POWERCOM LUMIAX –PWM Solar Charge Controller

PRODUCTS DESCRIPTION

EU series is a new series of intelligent multi-purpose solar charge controllers with bigger LCD and 5V2A USB for mobile charging. Its innovative design makes it easy to install and quite user-friendly. Optimized charging and discharging management extends the service life of batteries considerably. Meanwhile, parameters are explicitly displayed. Most parameter values can be set to meet various applications.

With your new EU series Controller you own a state of the art device which was developed according to the latest available technical standards.

Features

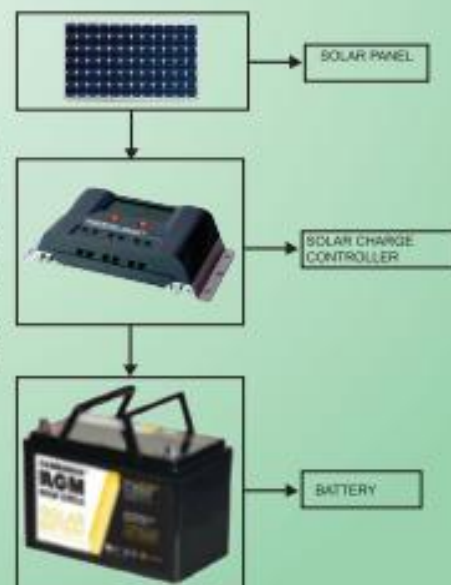
It comes with a number of outstanding features, such as:

- * LCD display for situation monitoring
- * External temperature sensor, make the temperature compensation more accurate
- * Many choices of battery type, working mode and protection
- * Four stage PWM charge way: fast, boost, equalization, float
- * Full automatic electronic protect function
- * USB for mobile charging



CONNECTION DIAGRAM

1. Connect the Battery to the solar charge controller according to polarity
2. Connect the solar panel to the solar charge controller according to polarity
3. Connect the DC load to the solar charge controller according to polarity.
4. Connect the AC inverter to the Battery according to polarity directly. Please do not uses load point or terminal of solar charge controller for inverter. It is recommended to connect AC inverter directly to Battery terminal according o polarity



Applications

Home, hospital and all solar applications.

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Technical Specifications

Model	PCM-SCC20EU	PCM-SCC20EU
Series	EU(E stands for economy, U stands for USB port)	
Brand	POWERCOM LUMIAX	
Compliance	IDCOL	
Topology	PWM	
System Voltage	12V/24V (Automatically recognized system voltage)	
Max Charging Current	20A	30A
Fast Voltage	<14.5/29.0V@25°C	
Boost Voltage	14.5/29.0V @25°C	
Equal voltage	14.8/29.6V @25°C (Liquid)	
Float Voltage	13.7/27.4V @25°C	
Low Volt. Disconnect	Voltage:11.0 ~12.5V, Default: 11.1V/22.2V; SOC: 20 ~70%, Default:30%	
Reconnect Voltage	Voltage: 11.8 ~13.3V, Default: 12.6V/25.2V; SOC: 40 ~90%, Default: 50%	
Overcharge Protect	15.5/31.0V	
Max volt on Bat. terminal	35V	
Temp. Compensation	-4.17mV/K per cell (Boost, Equal), -3.33mV/K per cell (Float)	
Battery Type	Liquid, Gel, AGM	
Max volt on PV terminal	55V	
Dusk/Dawn detect volt.	5.0/10.0V	
Output Current	20A	30A
USB interface	5V, 2A	
Work mode	Standard, D2D, Street lamp, User-defined mode	
Dimensions(mm)	189 * 96 * 53	
Weight	420g	
Self consumption	5mA	
Ambient temperature	-20 ~ +50°C	
Storage temperature	-25 ~ +80°C	
Ambient humidity	0 ~ 100%RH	
Protection degree	IP32	
Max Altitude	4000m	

Power Control & Management

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