

LCWS-B

Wind solar hybrid controller



LCWS-B, designed with high quality aluminum alloy appearance, compact size, is made of US industrial grade chips & conductors. Both time and light control makes multiple output modes. Smart dimming signal source attached for intelligent wind solar hybrid LED light solution if adding the LCLD-B (external dimming DC LED driver) guarantees LED light normally working more than 40 days.

For small wind solar power system, fully protected

LCWS-B is one perfectly matched equipment with small wind solar power generation system; Full protection functions: Solar reverse charge protection, Solar reverse connection protection, Battery overcharge protection, Battery over current protection, Battery reverses connection protection, battery open circuit protection, Wind turbine automatic brake and manual brake.

Boost & Buck circuit

Increase voltage by boost circuit when low wind speed for charging; and decrease voltage by buck circuit when high wind speed for charging; both for stabilizing the charging of wind turbine.

MPPT function

High efficient MPPT (Maximum Power Point Tracking) on wind charging, can improve your wind power efficiency 20% - 40%. (bigger the difference, higher efficiency; difference=voltage under best RPM – battery voltage)

LCD Multi-display

Showing all parameters requested, as voltage of PV-wind turbine-battery; Current of wind turbine-PV; power of wind turbine-PV; RPM of wind turbine, wind speed etc. (optional RS232 or RS485 interface)

SHENZHEN LC POWER CO., LTD

TEL: 0086-755-33119555

www.lc2power.com

<http://lc2power.en.alibaba.com>

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SPECIFICATION

Model	LCWS-B		
System voltage	12V	24V	48V
Turbine input voltage range	0 ~ 100V		
Turbine input current range (initial val	0 ~ 25A(15A)		0 ~ 20A(15A)
Turbine maximum input power	350W	600W	1000W
PV Input voltage range	0 ~ 25V	0 ~ 50V	0 ~ 100V
PV Input current range (initial value)	0 ~ 30A(15A)	0 ~ 30A(10A)	0 ~ 22A(8A)
PV Maximum input power	500W	1000W	1500W
PV MPP	17 ~ 20V	34 ~ 40V	68 ~ 80V
Number of output circuits	2-channel or 1-channel with dimming signal		
Output control mode	Always open;light-controlled; light on/time off		
Maximum output current	10A		
Static power	about0.4W	about0.8W	about1.0W
utility power interface	Optional		
Communication interface	RS232 / RS485(optional)		
Operating temperature range	-20 ~ +50℃		
Operating humidity range	35% ~ 85% (no condensation)		
Product size	190.5*150*85.5mm		
Package size	233*182*130mm		
weight	2.2Kg		

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