

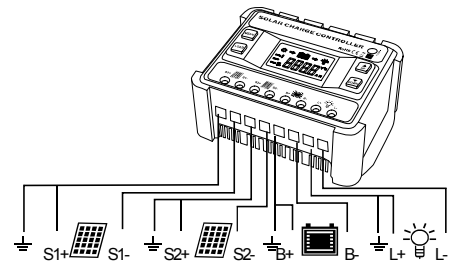
ENS Series PWM Solar Charge Controller with LCD

DESCRIPTION

The solar charge controller is one of key components of the PV off-grid solar system; our ENS series PWM solar controller can adopt different charge way based on different batteries and the environment. It is designed with big clear LCD display with 4 bottoms to change different screens. Double solar panel inputs applied makes it more reliable, and the bottom aluminum radiation can make its work properly when the unit is hot.

FEATURES

1. Pulse Width Modulation Technology, which offers the good efficiency of your PV system.
2. Automatically detects 12/24V or 24/48V system voltage.
3. A big LCD screen display one main window and 7 different sub windows: battery voltage, PV charge current, Load discharge current, total PV charge Ah, total PV discharge Ah, the setting of constant voltage charging, the setting of low voltage disconnect, the setting of low voltage reconnect
4. The constant voltage charge, low voltage disconnect and reconnect data settable by user.
5. External temperature sensor
6. Temperature-compensated, three-stage I-U curve charge regulation
7. Full electronic protection (reverse polarity, over-current, short-circuit, over temperature, current drawback, lightning etc.)
8. Highest efficiency
9. Positive ground
10. Dual terminals for solar panel input
11. Battery type can be: GEL, AGM and solar battery etc.



SPECIFICATIONS

Model	ENS12/24-20D	ENS12/24-30D	ENS12/24-40D	ENS12/24-50D	ENS12/24-60D
Normal voltage	12/24V, automatic recognition				
Nominal battery charge current	20A	30A	40A	50A	60A
Max. PV input power	300W@12V	450W@12V	600W@12V	750W@12V	900W@12V
	600W@24V	900W@24V	1200W@24V	1500W@24V	1800W@24V
Max. solar input voltage Voc	<30V/48V				
Min. solar input voltage Vmp	>16V/32V				
Power conversion efficiency	Max. 90%				
Standby power consumption	<15mA	<15mA	<20mA	<20mA	<20mA
Length ≤ 1m charge loop drop	<0.25V				
Length ≤ 1m discharge loop drop	<0.05V				
Temperature compensation	-3 mv/cell *K				
LCD screen display	Battery voltage, PV charge current, Load discharge current, total PV charge Ah, total PV discharge Ah, the setting of constant voltage charging, the setting of low voltage disconnect, the setting of low voltage reconnect				
Buttons	MENU, LOAD(ON/OFF), UP, DOWN				
Ambient temperature range	-40 to +50 °C				
Case protection	IP22				
Float charge	13.8V/27.6V				
Constant voltage charge	14.6V(14~15V settable) / 29.2V (28~30V settable)				
Low disconnect voltage	11V(10.4~11.4V settable) / 22V(20.8~22.8V settable)				
Low reconnect voltage	12.8V(12.2~13.2V settable) / 25.6V(24.4~26.4V settable)				
Grounding	Positive grounding				
Battery type	GEL, AGM, Solar battery etc.				
Dimensions(L*W*H)	172*126*75mm				
Weight(kg)	0.66	0.66	0.77	0.77	0.77
QTY/Ctn	18pcs/box.41.5*40*27cm				
N.W./Ctn	11.9			13.9	
G.W./Ctn	14.7			16.8	