

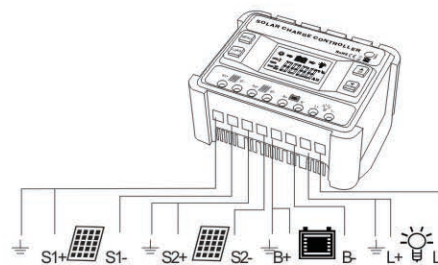
ENS Series PWM Solar Charge Controller with LCD

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 baded 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	ENS24/48-20D	ENS24/48-30D	ENS24/48-40D
Normal battery charge voltage	24/48V, automatic recognition		
Nominal battery charge current	20A	30A	40A
Max. PV input power	600W@24V	900W@24V	1200W@24V
	1200W@48V	1800W@48V	2400W@48V
Max.solar input voltage Voc	<60V/96V		
Min.solar input voltage Vmp	>32V/64V		
Power conversion efficiency	Max. 90%		
Standby power consumption	<15mA	<15mA	<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℃		
Case protection	IP22		
Float charge	27.6V/55.2V		
Constant voltage charge	29.2V (28~30V settable) / 58.4V (56~60V settable)		
Low disconnect voltage	22V(20.8~22.8V settable) / 44V(41.6~45.6V settable)		
Low reconnect voltage	25.6V(24.4~26.4V settable) / 51.2V(48.8~52.8V 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
QTY/Ctn	18pcs/box.41.5*40*27cm		
N.W./Ctn(kg)	11.9	11.9	13.9
G.W./Ctn(kg)	14.7	14.7	16.8