

Energy Storage System

For residential or small Commercial application

1.44kWh/ 2.88kWh

Designed to work with PV system and is a stable backup power source for home and office needs



8.5h



12h



130h



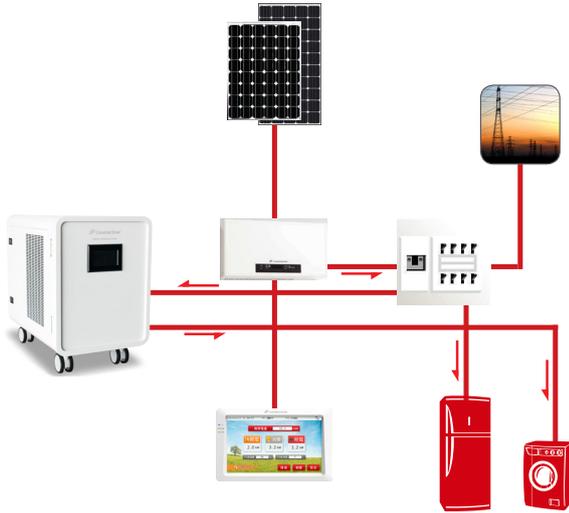
17h



The ESS (Energy Storage System) was designed with reliability and performance in mind. Additionally, the ESS was designed from the ground up to address the current market needs and the energy-storage shortcomings of related products. Equipped with an AC charger, battery, inverter, and switches, the ESS system is easy to install. The basic function of ESS is to provide electricity during emergency situations. At the same time, ESS can maximize FIT payment by charging its battery from the Grid at low off-peak rate at night and use battery power during the peak hours, maximizing the sale of PV power at the high FIT rate.

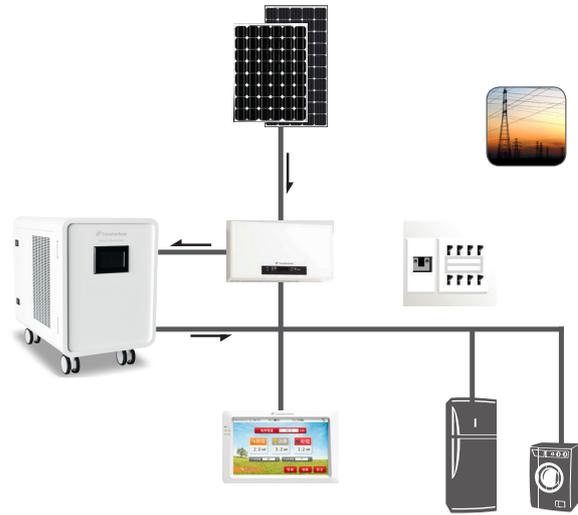
On Grid:

Daytime: Solar Power is selling to Grid, and ESS system will provide electricity for priority load.
Nighttime: Grid will charge ESS at low off-peak rate.



Off Grid:

Solar panel will charge the ESS and ESS will provide electricity for priority load.



Key Features

Easy for installation

Plug & Play technology can save your installation time.

Friendly interface

Intelligent control system and 4.3" touch screen make your system very easy to operate.

Expendable & Modular design

ESS product is designed to use with our modular battery system. Customer can expand the system size and change the battery according to their needs.

Four- working mode

Help customer earning money and saving cost. Meanwhile could use as UPS during the emergency case.

Canadian Solar Inc.

Founded in 2001 in Canada, Canadian Solar Inc., (NASDAQ:CSIQ) is one of the world's largest and foremost solar power companies, ranked top five in 2012. As a leading vertically integrated manufacturer of solar modules, specialized solar products and turnkey PV project solution provider, Canadian Solar operates in six continents and has delivered more than 5.0 GW of premium quality solar modules to customers in over 70 countries. Canadian Solar is committed to providing advanced products, solutions and services to enable sustainable development around the world.

Specification

Product Name	Energy Storage System	
Model Name	CSES-1440-JA	CSES-2880-JA
Battery Size	1.44KWH	2.88KWH
Battery Type	Lithium-ion Battery (LiFePO4)	
Display	4.3" TFT Touch LCD	
Rated Input Voltage	AC 100V (MAX. 500W)	
Rated Input Power	50/60 Hz	
Frequency	50/60 Hz	
Rated Output Power	1000W	
Rated Output Voltage	100V AC	
Output AC Frequency	50/60 Hz	
Power Factor	>95%	
Isolation	Transformer	
Noise Level	Under 40dB	
System Static Power Consumption	Less than 15W	
Protection	OCV, ODV, OCC, ODC, OTP	
Dimension (mm)	388(W)*588(H)*590(D)	
Weight	56KG	80KG
IP Class	IP 22	
Operating Temperature Range	0 - 45 °	
Cooling Concept	Fan	
Warranty	3 Year	