

## CAMEL ENERGY STORAGE SYSTEM

The Camel Energy Storage System is a great investment to help reduce your energy bills at home. During the daytime it charges its battery using solar energy and then uses the electricity from the battery during peak rate hours.



### KEY FEATURES

Maximize self-consumption of PV generation

7.2 kWh LiFePO<sub>4</sub> battery storage capacity with high safety

Long lifetime of over 4000 cycles

Programmable charging and discharging time period through 7" LCD touch screen

Battery charging from solar or AC grid, UPS (Uninterruptable Power System) mode

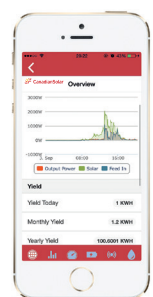
App and web monitoring

### CAMEL ESS SETTING SYSTEM

- Charging/discharging time period
- Work mode of CAMEL ESS
- Load ON/OFF function

### CAMEL ESS MONITORING SYSTEM

- Overview information
- Real-time display
- Battery pack status
- Alarm and history record
- CAMEL ESS energy report analysis

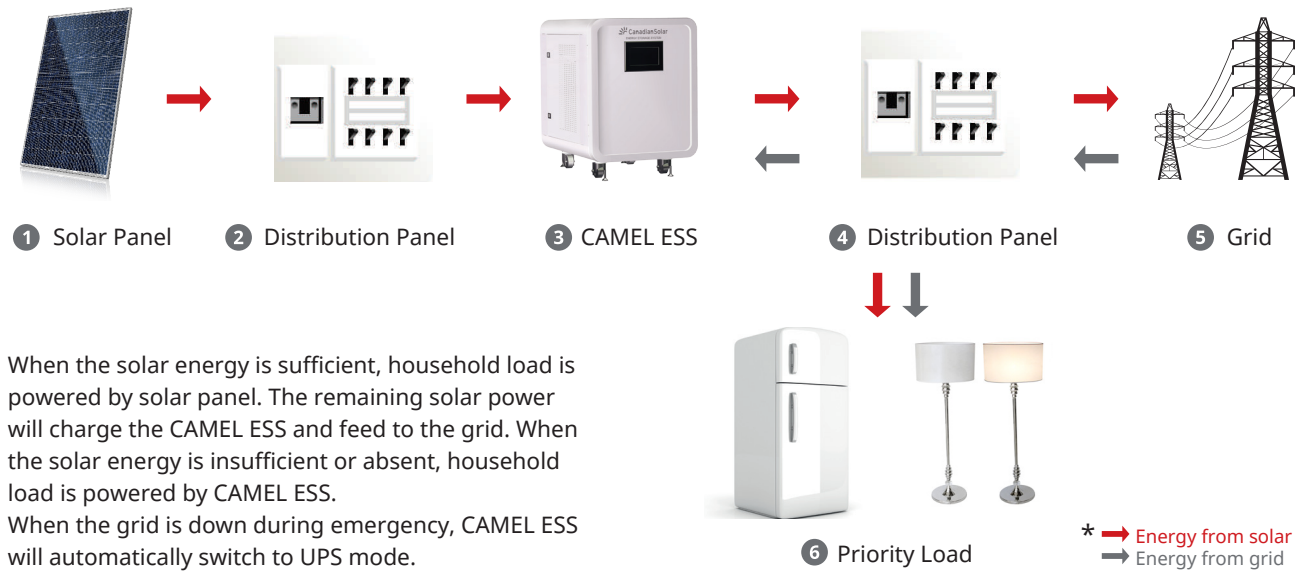


**CANADIAN SOLAR INC.** is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading manufacturer of solar modules and PV project developer with about 12 GW of premium quality modules deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

### CANADIAN SOLAR INC.

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## HOW CAMEL ESS WORKS



## TECHNICAL DATA

SYSTEM	
Model	CSES-3K-H
Safety	AS62040-1, IEC62109-1, IEC62109-2, AS4777.2, AS4777.3
EMC	EN 61000-6-2, EN 61000-6-3
Communication	Wi-Fi
BATTERY	
Battery Size	7.2 kWh / 4.8 kWh
Battery Type	Li-ion Battery (LiFePO <sub>4</sub> )
PV (INPUT)	
Maximum DC Power	4500 W
Nominal DC Voltage	360 V <sub>DC</sub>
Maximum DC Voltage	500 V <sub>DC</sub>
MPPT Voltage Range	250 – 450 V <sub>DC</sub>
Maximum Input Current	18 A

AC (ON GRID)	
Rated Power	3000 VA
Rated Input Voltage	AC 230 V
Nominal Frequency	50 Hz
AC LOADING (OUTPUT)	
Maximum Continuous Output Power (AC)	3000 VA
Nominal Output Voltage	AC 230 V
Nominal Output Frequency	50 Hz
PHYSICAL & ENVIRONMENTAL	
Dimension	547 x 831 x 722 mm (W*H*D)
Weight	135 kg / 110 kg
Life Cycle	> 4000 charges
Touch Screen	7" LCD
Enclosure Protection Class	IP20
Operation Temperature	0 – 40°C
Standard Warranty	5 years

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