

BATTERY SOLAR

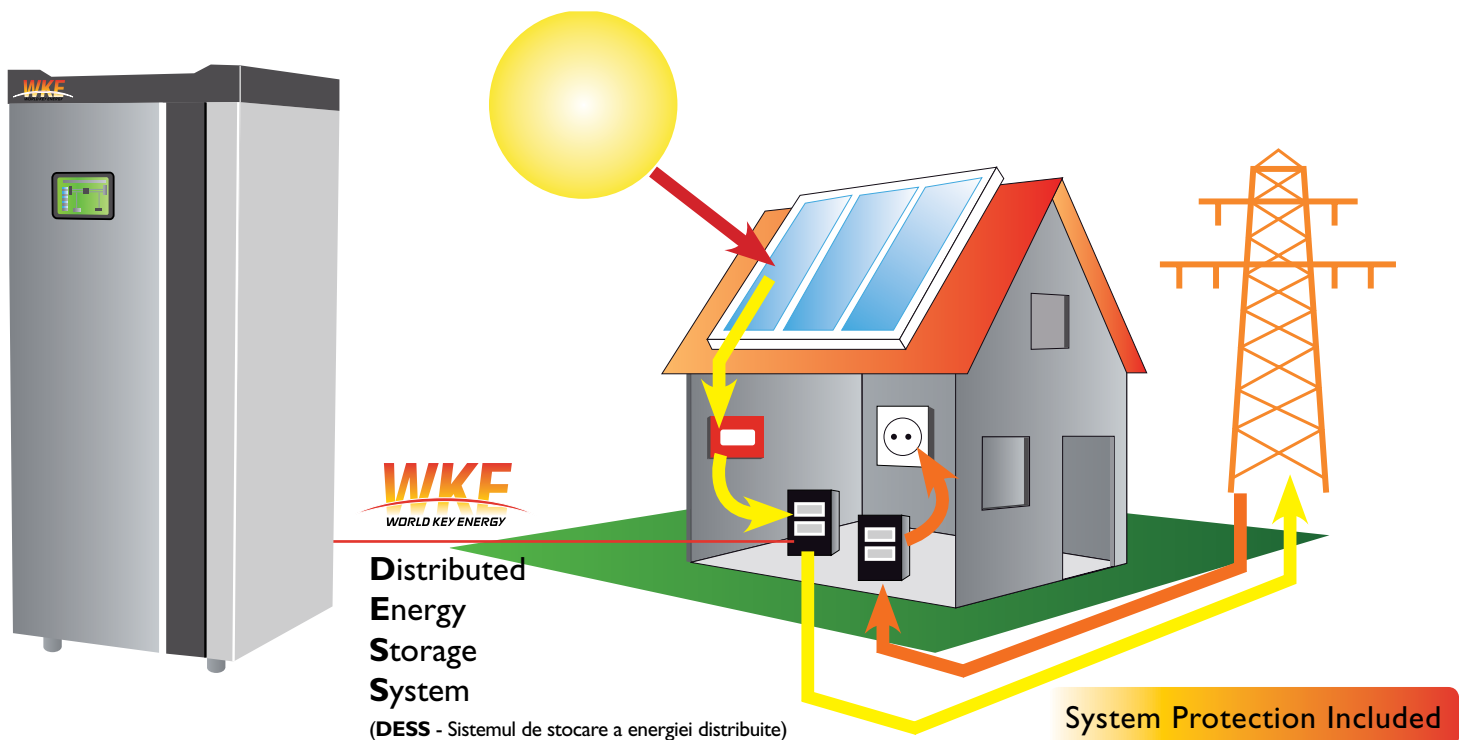
Storage Solution Off Grid



ADVANTAGES OF THE STORAGE SOLUTION

WKE Distributed Energy Storage System (DESS) is a new energy power solution which can be used grid interactive and stand alone. An integrated ultra-fast AC transfer switch guarantees that even sensitive back-up loads, like computers, never know when a utility outage occurs.

The bi-directional inverter can provide high quality true sine waveform power for the load. And the working mode of the DESS can be selected and adjusted to meet different requirements.



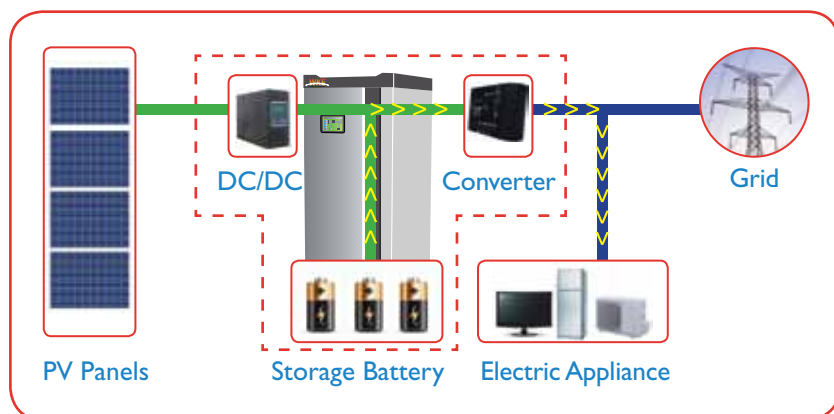
Characteristics:

- On grid and off grid application available;
- Excellent power management function, providing unattended power supply solution;
- Easy installation and maintenance;
- Functioning as UPS to guarantee uninterrupted power supply to the users;
- High security, stability and reliability.

Applications:

- Communication base station;
- Residential application;
- Small commercial or industrial area;
- Areas with electricity price difference between peak period and off peak period, abundant sunshine, unreliable grid or government incentives, etc.

WKE DISTRIBUTED ENERGY SOLAR SYSTEM



Off grid photovoltaic systems are a highly reliable, effective means of providing power without the regular costs associated with electric utilities and generator power.

WKE World Key Energy implement off grid PV systems tailored to the specifications of your home. Your PV system will utilize the newest, most efficient off grid integration techniques to provide continuous power to any and all home appliances.

Technical Data

Product name	WKE03DESS	WKE09DESS
Continuous Power Rating	3kW	9kW

AC SPECIFICATIONS

Nominal AC Voltage (output/input)	230Vac/230Vac	380Vac/380Vac
Nominal Frequency	50Hz	50Hz
Total Harmonic Output Current	<4%	<4%
Distortion Input Voltage	2%	2%
AC Transfer Switch Speed	<20ms	<20ms
Max Inverter Efficiency	93.8%	93.8%
Reference Standards	VDE0126-1-1	VDE0126-1-1
Output Waveform	True Sine Wave	True Sine Wave

DC SPECIFICATIONS

Recommended Solar Array Input	4000W	4000W
Open Circuit Voltage of PV	145VDC (absolute Lowest temperature)	145VDC (absolute Lowest temperature)
MPPT Voltage	70~120VDC	70~120VDC
Max Output Current of Solar Charger	80A	80A
Battery Voltage - Nominal	52V	52V
Battery Voltage - Operating Range	48~57VDC	48~57VDC

SYSTEM SPECIFICATIONS

Usable Capacity	≥8kWh	≥8kWh
Exterior Communications	Rs485	Rs485
Operating Temperature	0° C ~ 45° C	0° C ~ 45° C
Operating Humidity Range	10% ~ 90%	10% ~ 90%
Altitude	<2000m	<2000m
Enclosure Rating	Indoor	Indoor