

Mobile Solar System

Excalibur Senior

Mobile solar system, Integrated inverter, battery and solar charger

User friendly, easy installation and convenient mobile

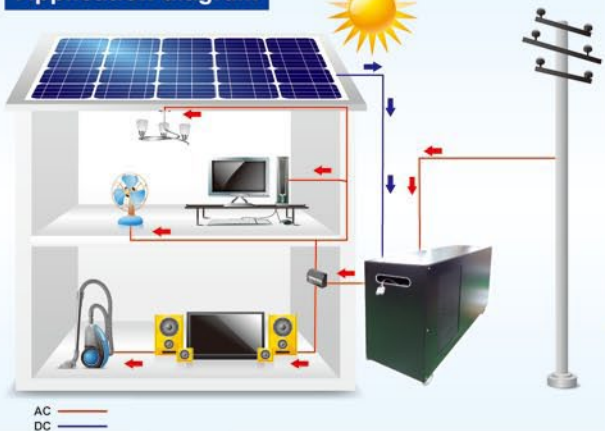
Suitable for any kind of applications

Features

- Controllable panel with LCD
- DC start and automatic self-diagnostic function
- Designed to operate under harsh environment
- Low heat dissipation in long time operation
- Innovative MPPT technology, conversion efficiency up to 98%
- Clear readable display of charge/discharge, battery and error description
- Four stage charge way: MPPT, boost, equalization, float
- Full automatic electronic protect function
- Mobile solar system
- High efficiency design for energy storage



Application diagram



Specifications

MODEL NAME	Excalibur Senior				
CAPACITY	VA/WATT	5KVA/4000W	PV PANEL	Maximum Power / Quantity	254W / 2pcs
	AC INPUT	Nominal Voltage	230Vac	SOLAR METER	Voltage Range
Frequency		50Hz or 60Hz	Energy Range		0-6554Wh
DC INPUT	Nominal Voltage	24V	SOLAR CHARGER	System voltage	24V
	Start-up Voltage	24V		Max solar current	20A
	Polarity Protect	Yes		Max MPPT efficiency	98%
	Backflow Protect	Yes		Max PV input power	600W
OUTPUT	Voltage	230Vac		Float voltage	27.4V(25°C)
	Power Factor	0.8		Boost voltage	29.0V(25°C)
	Wave Form	Pure Sine Wave		Equal voltage	29.6V(25°C) (Liquid)
TRANSFER TIME	Typical	< 8 ms		Disconnect voltage	22.4~23.6V
BATTERY	Configuration	24Vdc (12V100Ah × 4)		Reconnect voltage	25.0V
	Backup Time (Full / Half load)	60 / 120 min		Temperature compensation	-4.17 mV / K per cell (Boost and Equal charge)
DISPLAY	LCD	status, I/P&O/P Voltage Frequency, Load Level, Battery Voltage & Level, Temperature, Model	Max solar voltage	100V	
	LED	Normal (Green), Warning (Amber), Fault (Red)	Max battery voltage	40V	
ENVIRONMENT	Operation Temperature	0-40°C ; 32-104°F	Max power consumption	10mA	
	Relative Humidity	10-95% non-condensing			
	Audible Noise	Less than 55dBA (at 1M)			

Specifications are subject to change without notice.

OPTI-Solar Asia:
Tel: +886-2-2246-7272
Fax: +886-2-2246-7312
info@opti-solar.com

OPTI-Solar USA:
Tel: +1-909-869-5700
Fax: +1-909-869-5730
info@opti-solar.com

OPTI-Solar Middle East:
Tel: +9714-8819-838
Fax: +9714-8819-938
info@opti-solar.com

OPTI-Solar Europe B.V.:
Tel: +31-40-2628057
Fax: +31-402546006
info@opti-solar.com