

APDAL 500Wh 300W



Solar Energy Box



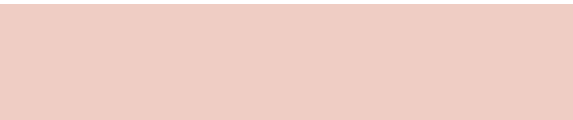
4 LEVELS POWER DISPLAY  
75%-100%  
50%-75%  
25%-50%  
0%-25%

2 PCS 5V 1A  
USB OUTPUT

TYPE C13 DC  
INPUT

23V, 50HZ, TYPE F  
AC OUTPUT

12V 10A  
Output DC Female Connector  
IEC 60130 6.3 mm x 3.1mm



# Application



## Solar Charge

The APDAL solar energy box is charged by solar panel/ PV array, which is clean green energy.

## Off-grid

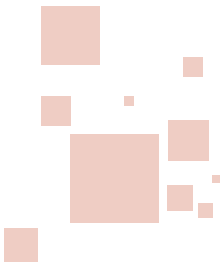
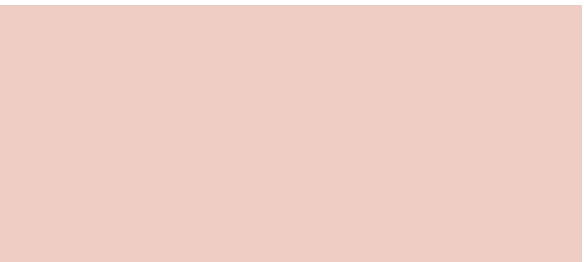
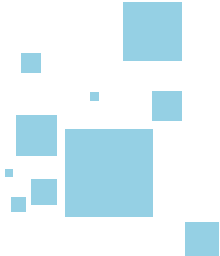
Considering there are many islands in Indonesia, it is difficult to connect electricity to each island for the residents of the island. This energy storage box is charged by solar energy and is completely off grid, which brings convenience to the residents.

## Power Backup

Charging during the day. Provide power for household appliances, lights and mobile phones at night as backup Power.

## Portable

With handle, portable for carrying anywhere.



## Battery

Battery type	: LiFePO4   Prismatic
Rated Energy	: >500Wh (512Wh)
Rated Voltage	: 12.8V
Rated Capacity	: 40Ah(Prismatic)
Cycle Life	: >2000 cycles @90% DoD

## BMS

Input Voltage	: 12.8V~16V
Charge Current	: 12.5~20.8A
SoC/DoD	: 4 Level(0-25%, 25%-50%, 50%-75%, 75%-100%)
Memoryt	: Monitoring the system SOC, working time and cycle life
Protection	: Overvoltage, Overtemperature(50°C), Over-charge, Over-discharge(10% DoC), Short circuit

# System API DAI

## Inverter

THD	: $\leq 3\%$
Waveform	: PSW(Pure Sine Wave)
Efficiency	: $> 90\%$
Nominal Watt	: 300W (Min. 240W)
AC Output	: 230 V, 50 Hz
Operational Temp.	: $\leq 45^{\circ}\text{C}$
Protection	: Over voltage, over current, Reset

## Enclosure

Enclosure Dimension	: Max 330L*180W*170H mm (Including handle size) Min. 300L*163W*155H mm
Material	: ABS covers + Aluminum Housing(6063-T6)
IP Level	: IP54
With Handle	: Handle

## Connector and Indicator

DC Input	: 1pc *C13 (Female), 10A
DC Output	: 2pcs *DC 6.3*3.1(Female); 12V 10A
USB Port	: 2pcs *5V 1A
AC Output	: 1pc *Type F With Shuter, 230V 50Hz
Indicator	: 1pc *Solar Charge
Display	: 1pc *LCD screen, 4 level of DoC
Switch	: 1pc *Battery switch, 1pc *Inverter switch

