



nava solar

# Mobile All-In-One ESS

Mobile & Convenient  
Plug & Play



**RANGE AVAILABLE:**

• 1.5kW/1.28kWh • 3kW/2.56kWh • 3kW/5.12kWh

## Features

• **INTEGRATED:**

Build-in offgrid solar inverter and lithium battery modules ;

• **SIMPLE:**

Pre-programed system ,plug & play , no bother to electricians ;

• **POWERFUL:**

1.5kW and 3kW optional output power , 1.28/2.56/5.12kWh selectable energy,  
flexible enough to power most of home or office appliances to cover every load shedding;

• **SMART:**

Mobile with wheels ,stay powered at anywhere

• **RELIABLE:**

Enhanced surge / lightning protections ,considered AC breakers and DC fuse protections;

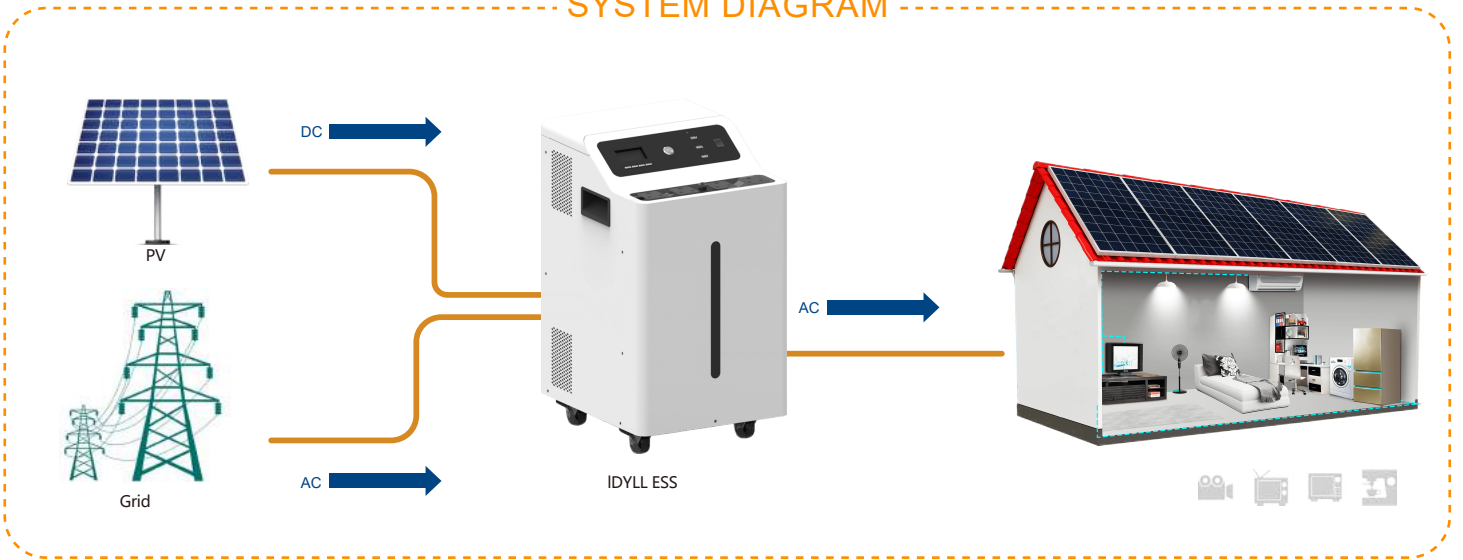
• **QUICKER CHARGE:**

Combined AC and solar chargers ,max 1C charging current , fully recharge the units within 1-2 hours;

• **INTELLIGENT:**

Equips with RS232 & USB communication ports ,available for remote monitoring ;

## SYSTEM DIAGRAM



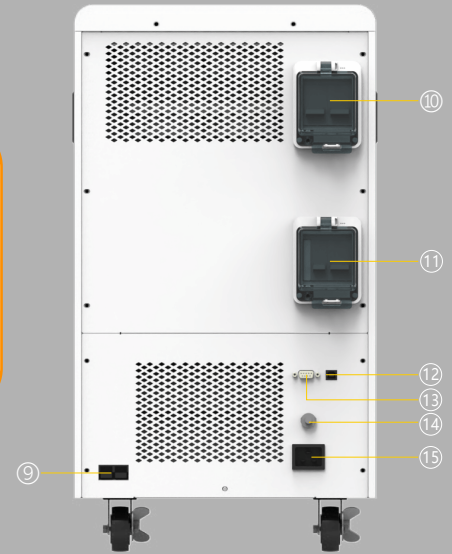
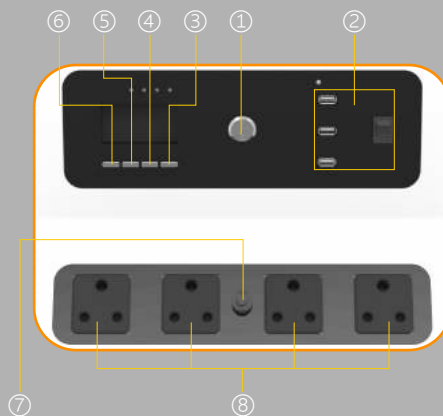
MOBILE ALL-IN-ONE ENERGY STORAGE SYSTEM , ENJOY THE LIFE WITHOUT LOAD SHEDDING



## MOBILE ALL-IN-ONE ESS



IDYLL 3.0



- |                        |                               |                                    |                |
|------------------------|-------------------------------|------------------------------------|----------------|
| ①----Power ON/OFF      | ②----QC 3.0(*1dyll 1.5x2 pcs) | ③----Enter                         | ④----Down      |
| ⑤----UP                | ⑥----ESC                      | ⑦----AC output circuit breaker     | ⑧----AC output |
| ⑨----PV Input          | ⑩----Battery switch           | ⑪----Earth leakage circuit breaker |                |
| ⑫----USB communication | ⑬----RS232                    | ⑭----AC input circuit breaker      | ⑮----AC Input  |

# SPECIFICATION

| MODEL                                 | NV-TI-1512   | NV-TI-3024            | NV-TI-3052           |
|---------------------------------------|--|-----------------------|----------------------|
| Rated Inverter Power                  | 1500VA/1500W   | 3000VA/3000W          |                      |
| <b>INPUT</b>                          |  |                       |                      |
| Voltage                               | 230Vac±5%  |                       |                      |
| Voltage Range                         | 154~264Vac   |                       |                      |
| Frequency Range                       | 40~70Hz  |                       |                      |
| AC Input Connection                   | IEC C20  |                       |                      |
| PV Input Connection                   | PP75   |                       |                      |
| <b>OUTPUT</b>                         |  |                       |                      |
| AC Voltage Regulation (Batt. Mode)    | 230VAC ± 5%  |                       |                      |
| Surge Power                           | 1500VA   | 3000VA                |                      |
| Efficiency (Peak)                     | 93.00%   | 93.50%                |                      |
| Transfer Time                         | 20 ms (Typical)  |                       |                      |
| Waveform                              | Pure Sine Wave   |                       |                      |
| Output Type                           | 4*AC Outlets   |                       |                      |
|                                       | 2*USB PD ports(QC3.0)  | 3*USB PD ports(QC3.0) |                      |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |  |                       |                      |
| Solar Charger type                    | PWM  | MPPT                  |                      |
| Maximum PV Array Power                | 960W   | 1500W                 |                      |
| Maximum PV Array Open Circuit Voltage | 30~85Vdc   | 30-115Vdc             |                      |
| Maximum Solar Charge Current          | 40A  | 60A                   |                      |
| AC Charge Current                     | 30A  | 40A                   |                      |
| Maximum Charge Current                | 50A  | 100A                  |                      |
| <b>BATTERY</b>                        |  |                       |                      |
| Capacity                              | 1280Wh (25.6V 50Ah)  | 2560Wh (25.6V 100Ah)  | 5120Wh (25.6V 200Ah) |
| Nominal Voltage                       | 25.6Vdc  |                       |                      |
| Charging Voltage                      | 27.6V  |                       |                      |
| Max Continuous Discharging Current    | 50A  | 100A                  |                      |
| <b>COMMUNICATION</b>                  |  |                       |                      |
| Communication Ports                   | USB/RS232(Baud Rate2400)   |                       |                      |
| <b>PROTECTION</b>                     |  |                       |                      |
| protection type                       | AC input /output breakers;battery switch;Earth Leakage Circuit Breaker |                       |                      |
| <b>ENVIRONMENT</b>                    |  |                       |                      |
| Humidity                              | 20%~95%(No condensing)   |                       |                      |
| Storage temperature                   | -15~60℃  |                       |                      |
| Operation Temperature                 | 0-40℃  |                       |                      |
| <b>PHYSICAL</b>                       |  |                       |                      |
| Dimension(net), D * W * H (mm)        | 280*280*520  | 330*380*605           |                      |
| Dimension(package), D * W * H (mm)    | 330*330*600  | 465*385*677           |                      |
| Net Weight (kg)                       | 20   | 38.7                  | 56.94                |
| Gross Weight (kg)                     | 25   | 40.62                 | 58.85                |

Product specifications are subject to change without further notice.