

# RUNHOOD RESIDENTIAL ESS & PORTABLE POWER STATION


Stationary | Portable | On-grid | Uninterrupted Power Supply



**AP-753/AP-753-B**

## TECHNICAL SPECIFICATIONS

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## COMBINATION OF USES

### Home energy storage and Portable power supply



ALP-753/ALP-753-B Dual ESS is designed as a power storage solution. Bank solar energy to use it night or bank grid power to use during peak rates to lower bills. Keeps essential appliances running through emergency power outages. Works as a mobile charging station for EVs.

Modular and scalable design easily meets any household's energy needs. Each battery packs 3.6 KWh capacity with the ability to expand to 28.8 KWh.



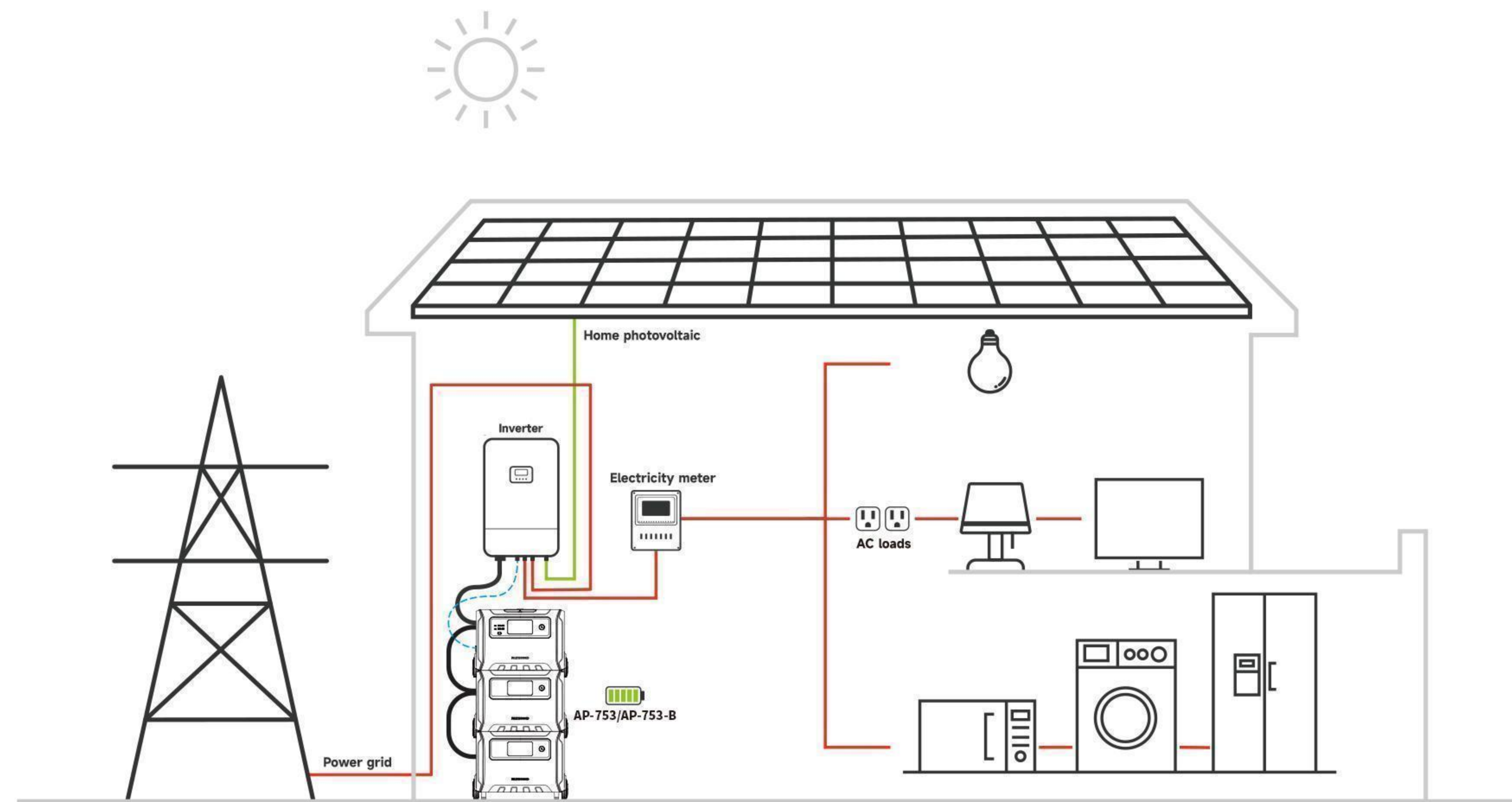
With a floor standing design, hybrid inverter, and plug & play wiring connections make installation easy.

The dual use as a home ESS as well as portable power source adds value. Simply disconnect the AP-753 unit and roll away with 3600 Wh of portable power. Remaining AP-753-B stay connected with PCS and continue operating as a home storage system.





## AC-DC COUPLING



## PRODUCT Appearance



- |  |   |
|--|---|
| 1 EXTRA BATTERY PORT 1                     | 8 2X USB-A 12W MAX<br>2X USB-A 28W MAX<br>2X USB-C 100W MAX |
| 2 CAR CHARGER 12V/10A MAX                  | 9 POWER ON/OFF  |
| 3 COMMUNICATION<br>COM-1<br>COM-2<br>COM-3 | 10 AC ON/OFF  |
| 4 DC 12V/24V 30A MAX<br>DC 12V/24V SWITCH  | 11 DC INPUT 12-150V 25A 2400W MAX                           |
| 5 DC OUTPUT ON/OFF                         | 12 EV INPUT/DUPLEX 3600W MAX                                |
| 6 EXTRA BATTERY PORT 2                     | 13 HOME BACKUP 3600W MAX                                    |
| 7 USB OUTPUT ON/OFF                        | 14 AC INPUT 15A MAX   |
|  | 15 OVERLOAD PROTECTION                                      |



- |                        |  |
|------------------------|--|
| 1 POWER ON/OFF         | 3 COMMUNICATION<br>COM-1<br>COM-2<br>COM-3 |
| 2 EXTRA BATTERY PORT 1 | 4 POWER ON/OFF                             |





AP-753

Battery Type	LiFePO4
Capacity	3,600Wh
Operating Voltage	38-53Vdc
Input Frequency	50Hz
Charging Current	55A Max.
Discharging Current	140A Max.
Operation Temperature	Charging 2°C~50°C    Discharging-28°C~50°C
Working Altitude	2000m
Communication	CAN/RS485
Battery Life Cycles	6000+ Cycles to 80% Original Capacity
Battery Scalability	1 F3600 + 7x Extra Battery B3600, max. 28.8 KWh
Connectivity	Wi-Fi, Bluetooth
Weight	48kg
Dimension (L x W x H)	588mm x 400mm x 424mm
Installation Method	Floor standing
Warranty	10 years
Compliance	IEC62619, IEC62477, IEC61000, IEC60730, CE, RoHS, UN38.3
Compatibility with hybrid inverter	Deye, Goodwe, Megarevo, SolaX, Solis, SMA, Growatt*
Application	On grid / Back Up / Portable

Input

PV Input	2,400W Max., 12-150V, 25A Max, support MPPT
Car Charger	DC 12/24V 8.5A Max
AC Input	2,300W Max, 230V, 10A Max
EV Input	3,400W Max, 230V,16A Max

Output

AC Output Port	3,600W Max (peak 7,200W), 230V, 16A x 6
USB-A Output	2 ports 12W Max.    2 ports 28W Max.
USB-C Output	2 ports 100W Max.
Anderson	DC 12V/24V    30A Max. Switchable

\* Compatibility tests with different brands of inverters are continuously ongoing; results will be periodically updated.



AP-753-B

Battery Type	LiFePO4
Capacity	3,600Wh
Operating Voltage	38-53Vdc
Charging Current	55A Max.
Discharging Current	140A Max.
Operation Temperature	Charging 2°C~50°C    Discharging-28°C~50°C
Working Altitude	2000m
Communication	CAN/RS485
Battery Life Cycles	6000+ Cycles to 80% Original Capacity
Battery Scalability	8 pcs B3600, max. 28.8 KWh
Weight	40kg
Dimension (L x W x H)	588mm x 400mm x 424mm
Installation Method	Floor standing
Warranty	10 years
Compliance	IEC62619, IEC61000, IEC60730, CE, RoHS, UN38.3
Compatibility with hybrid inverter	Deye, Goodwe, Megarevo, SolaX, Solis, SMA, Growatt*
Application	Expansion / On grid / Back Up

\* Compatibility tests with different brands of inverters are continuously ongoing; results will be periodically updated.