



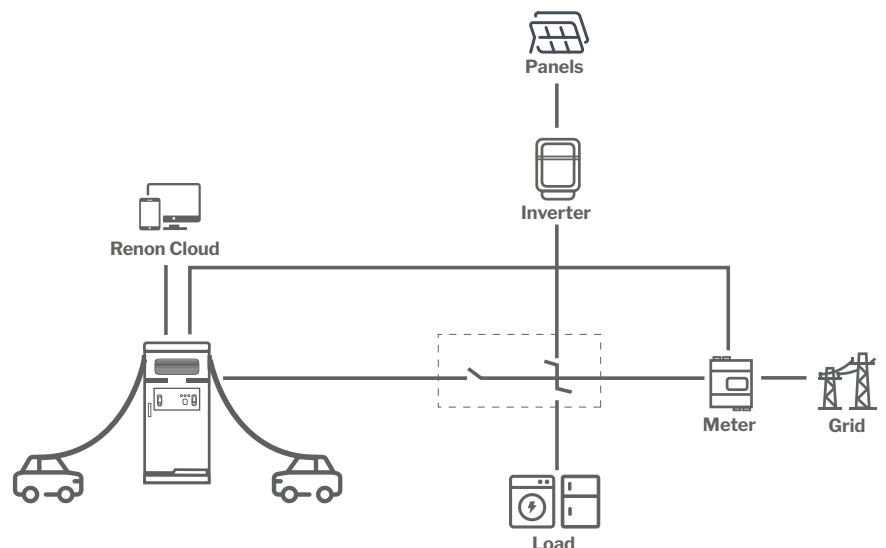
# Kowint Energon

Energon is an innovative energy system designed to provide a comprehensive solution for charging and storage needs. It combines a high-capacity lithium-ion battery, a powerful inverter, and a sophisticated battery management system, all integrated into a compact and stylish casing.



## System Layout

- ✓ High Capacity Battery
- ✓ Powerful Inverter
- ✓ Easy Installation
- ✓ Smart Connectivity
- ✓ Sustainable Energy



Your Green Energy Coagent

# Product Specifications

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## Battery Energy Storage

Single Cell Type	LFP 3.2V / 280Ah
Combination	1P180S
Usable Energy [1] (kWh)	161.28
Nominal Voltage (V)	576
Voltage Range (Vdc)	527.4 ~ 639
Charge / Discharge Current	≤1C
Cycle Life	≥8000 times
Thermal Management Mode	A/C & Fan
Thermal Control Management	Aerosol Extinguishing

## AC Input

Input Voltage (Vac)	400/480, 3L+PE
Voltage Range (Vac)	260 ~ 530
Current Range (A)	0 ~ 172
Frequency Range (Hz)	45 ~ 65
THDi	≤5% Full-load output power of @50% ~ 100%
Power Factor	≥0.99 Full-load output power of @50% ~ 100%

## AC Output

Output AC Voltage & Output Power	320 ~ 530 Vac, 88kW 320 ~ 260 Vac, linear derating to 44kW
Rated Power (kVa) & Current (A)	88 / 133.2
Output AC Frequency (Hz)	50 / 60
THDi	<5%
Output Power Factor	User Setting Scale, 0.8 -1, -0.8 - -1
Efficiency (Max.)	≥96.5%
Voltage Accuracy & Distortion (Off-Grid)	1% & <3%
Power Factor (Off-Grid)	>0.7
Dynamic Voltage Stability & Recovery Time (Off-Grid)	5% & 20mS

## PV Input

Max. Allowable Photovoltaic Power (kW)	60
PV Voltage Range (Vdc)	300 ~ 825
Max. Input Current (A)	50

## System Characteristic

Certifications	UL9540 / UL9540A / UL2202 / UL1741 / UL1973 / IEC62619 / FCC / UN38.3
Communication Interface	CAN, RS485, Wi-Fi
Warranty [2]	10 Years



## Charging Gun Parameters

Current (A)	125 / gun
Quantity	2
Standard	US/EU/JP standard DC gun

## General Parameters

Dimensions (W*D*H)	1050*1360*2260 mm 41.3*53.5*89 in
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Recommended Temperature	0°C to 30°C (32°F to 86°F)
Operating Humidity (RH)	Up to 100%, non-condensing
Recommended Storage Conditions	0°C to 35°C (32°F to 95°F) Up to 95% RH, non-condensing State of Energy (SoE): 50% initial
Max. Elevation	3000m (9843 ft)
Enclosure	IP55
Installation Scene	Indoor and Outdoor
Noise Level @1m	<75 dB(A)

[1] 97%DOD

[2] Please refer to the warranty manual for details