

Condor
energy pod 301

PORTABLE MICRO POWER SYSTEM



Harvesting Clean Energy / Protecting Our Environment

DyMac 
UNITED KINGDOM

MODEL : CEP-301
WIND + SOLAR + BATTERY



*Image only for reference

Design Standards

The Condor Energy Pod is a new range of secure integrated hybrid power stations, incorporating solar power, wind power, battery storage and a hybrid solar inverter in one secure unit.

The Condor Energy Pod has been developed to reduce dependence from Mains Power by decreasing consumption costs.

Benefits

- Integrated installation, convenient storage footprint and ease of transportation.
- A rapid return on investment.
- Simple operation and ease of maintenance.
- Power and capacity can be adapted to suit alternative user requirements.
- Green, Renewable, Clean Energy - supported and subsidized by local and national authorities.

Warranty

Battery Performance: 2000 cycles(80% DOD) or 2 years after manufacture;



General Specification

| | |
|-------------------------------|--|
| Model | CEP-301 |
| System Rated Output Power | 8kVA |
| Rated Output Voltage | 220V@50Hz/60Hz, 1ph. (According to customer requirements) |
| Min. Battery Storage Capacity | 10 kWh |
| Max. Battery Storage Capacity | 20 kWh |
| Max. Wind Power | 400W |
| Max. Solar Power | 2750W |
| Output Terminals | Copper terminals & CEE 63A/3P Socket |
| Operating Dimensions (W*H*D) | 3900*5400*7000mm |
| Storage Dimensions (W*H*D) | 1750*1150*2550mm |
| Net. Weight | 1230kg |
| Loading Capacity of 40'HC | 12 units |
| Discharge Temperature Range | -20°C~50°C |



SOLAR PANEL

MAX.POWER:

2750_W

With **HIGH EFFICIENCY**

UP TO **21%~!!**

**HIGH STRENGTH
METAL FRAME**

CONFIDENCE WHEN
FACING **WIND & RAIN**

INTELLIGENT INVERTER

ONE PIECE FOR
**SOLAR & BATTERY,
GRID & GENERATOR**

Suited for many
applications & guaranteed by
high-quality manufacturing
technology



Solar Panel

| | |
|------------------------|----------|
| Maximum Power | 550W |
| Power Tolerance | 0~+5W |
| Max-Power Voltage (Vm) | 41.96VDC |
| Max-Power Current (Im) | 13.11A |
| Qty. | 5pcs |

Energy Storage Battery

| | |
|--------------------------|-----------------|
| Cell Type | LFP(LiFePO4) |
| Pack Model | MF51100D |
| Pack Capacity | 5 kWh |
| Pack Rated Voltage | 51.2 VDC |
| Discharge Depth | 90% |
| Charge/Discharge Current | 97.7 A(1.0C) |
| Battery Rack Voltage | 43.2V~59V |
| Rated Cycle Life | ≥2000 (80% DOD) |

Wind Turbine

| | |
|---------------------|-------|
| Rated Power | 400W |
| Rated Voltage | 48VDC |
| Start-Up Wind Speed | 2m/s |
| Rated Wind Speed | 10m/s |
| Maximum wind speed | 45m/s |

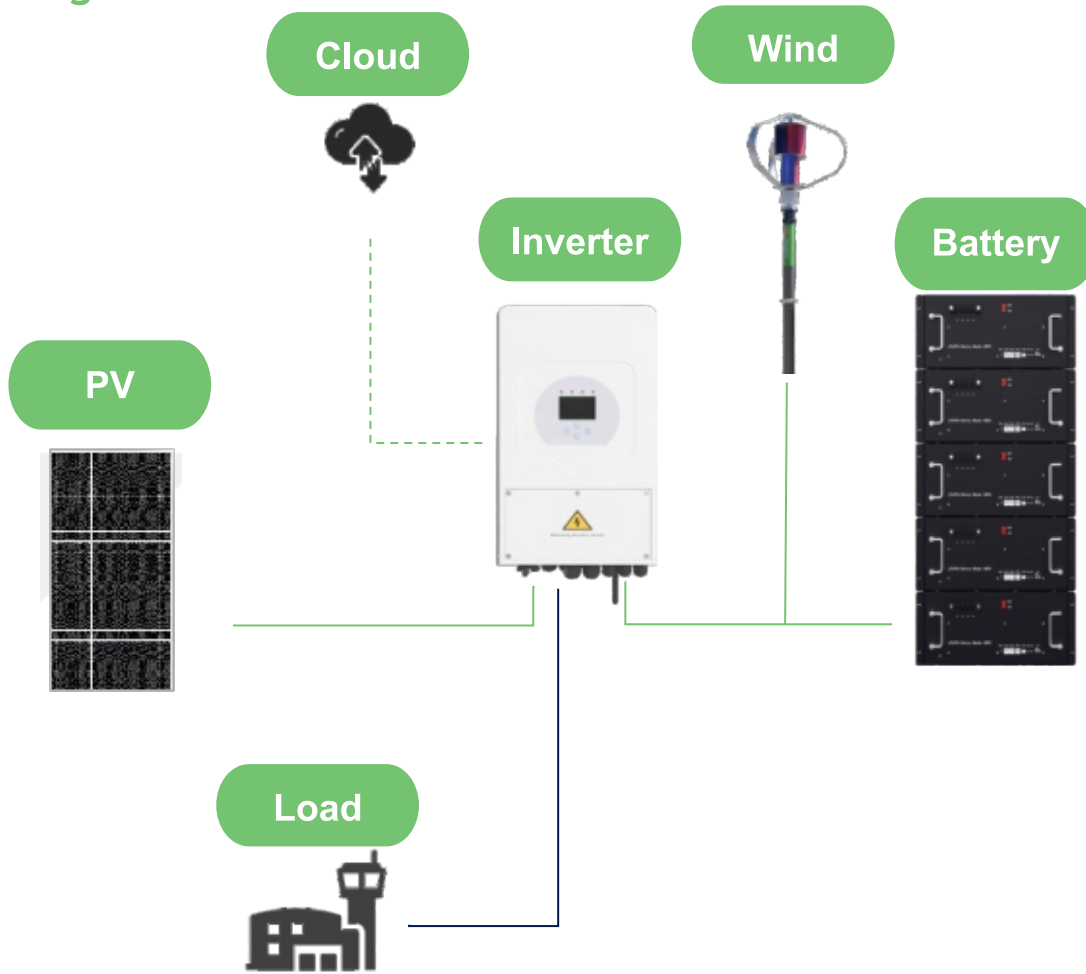
Hybrid Inverter System

| | |
|-------------------------------|------------------------------|
| Solar Controller | MPPT*2 |
| AC Voltage Range | 220~230Vac |
| Max. PV Current | 26A |
| Max. Charge/Discharge Current | 190A |
| Max. Conversion Efficiency | 97.6% |
| Rated Output Power | 8kVA (0.8leading~0.8lagging) |

Options
Hybrid Power Station

Increased Battery Pack
 Split-Phase Inverter
 Galvanized / Aluminium Canopy
 Toolkit

Basic Logic



| | | |
|-----------------------|------------------|------------------|
| Power Priority | Highest | Secondary |
| | PV | Battery |
| Functions | Take load/charge | Take load |



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