



**Energía Limpia para la Humanidad**

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**APL 250 POWER STATION**

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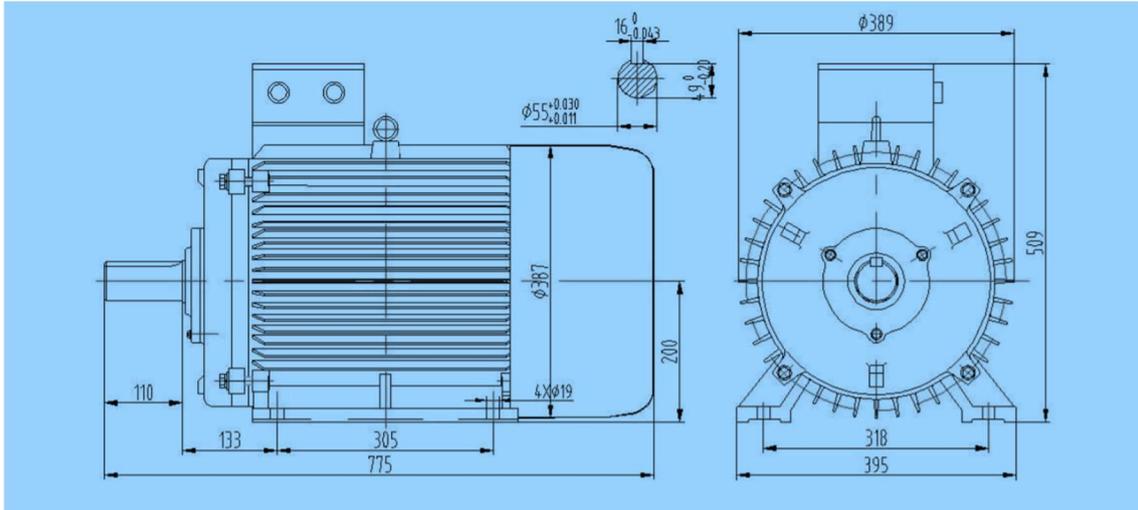
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# Energía Limpia para la Humanidad

## Overview

Outdoor containerized solution with IP54 protection level to handle harsh environment condition, inbuilt with battery, inverter, solar charge controller and bypass cabinet, total turn-key solution

## Features



Cost effective



plug and play

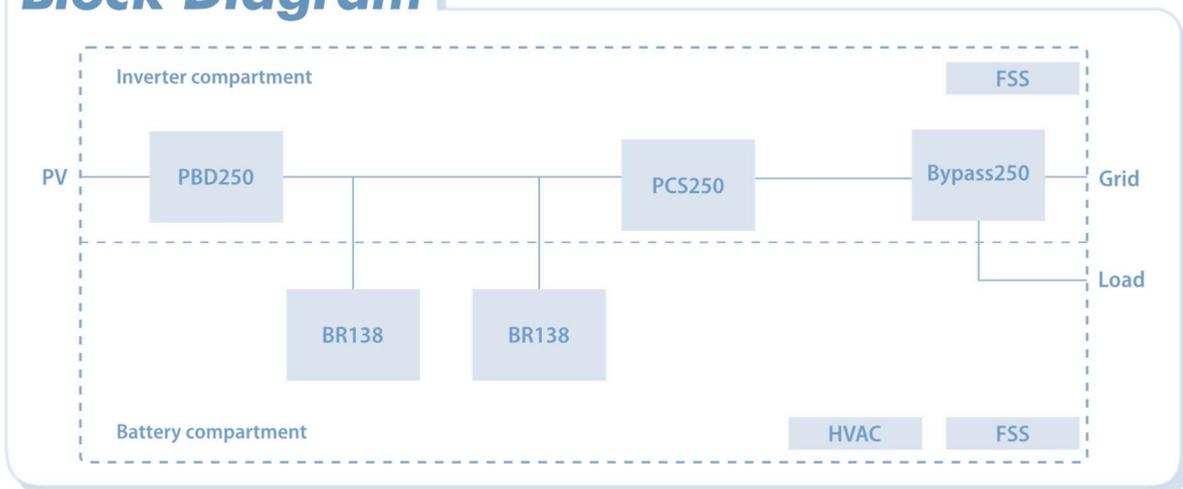


Highly integrated



Easy installation and maintenance

## Block Diagram



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## ALP250 POWER Station

### AC

Apparent power	275kVA
Rated power	250kW
Rated voltage	400V
Rated current	361A
Grid voltage range	310V-450V
Rated frequency	50/60Hz
Frequency range	45-55/55-65Hz
Isolation method	Transformer
Overload capability	110%-10min 120%-1min
AC connection	3/N/PE

### DC(Battery)

Cell type	3.2V/100Ah
Configuration of battery module	12S2P
Configuration of battery bank	18S2P
Battery capacity	276kWh
Rated voltage	691.2V
Battery voltage range	604.8V-766.8V
Rated current	417A
Nominal charge/discharge	0.5C
Max charge/discharge	1C
Communication	CAN

### DC(PV)

Max PV open circuit voltage	1000VDC
Recommended PV power	250kWp
MPPT voltage range	350V-850V
Full load MPPT voltage range	480V-850V
Max input current	575A(115A*5)
Number of MPPT	5

### General Information

Configuration	PCS250+PBD250+BP250+BR138*2
Dimension(W/H/D)	6058/2591/2438mm
Weight	10000kg
Operating temperature	-25°C~+55°C
Relative humidity	0-95% non-condensing
Protection degree	IP54
Maximum altitude	6000m(derate over 3000m)
Standby consumption	<100W
Lighting system	LED Lighting
Fire fighting system	Industrial grade
Cooling of battery chamber	HVAC
Cooling of PCS chamber	Forced-air
Transfer between on/off grid	Automatic≤10ms

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## Energía Limpia para la Humanidad

### CARACTERÍSTICAS DEL PRODUCTO

- ✓ Se pueden conectar 2 unidades en paralelo
- ✓ Excelente y fluida transferencia entre la red de encendido / apagado
- ✓ Modos de trabajo programables
- ✓ Interfaz de usuario LCD con pantalla táctil
- ✓ Control remoto del generador
- ✓ Inversor híbrido todo en uno
- ✓ Precarga de bus de CC integrada al encender
- ✓ Se puede agregar una tercera unidad, que sería un inversor redundante si falla un inversor
- ✓ HPS tiene función de cambio de frecuencia
- ✓ HPS tiene función de exportación cero incluso cuando DG está conectado
- ✓ Cantidad de MPPT: 1
- ✓ Tiene interruptor de CC incorporado: No

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