

## Z-Box H372

with external inverter (PCS)

 372kWh ~ 6 MWh

- Easy to connect, modular system. Possible to create up to 6 MWh energy storage system

 8000 Cycles

- Over 15 years full performance work. Used best in class LFP batteries, grade A

 -25°C to 55°C

- Suitable for outdoor application for most of the countries

 IP 67

- Full water and dust protection for LFP battery section



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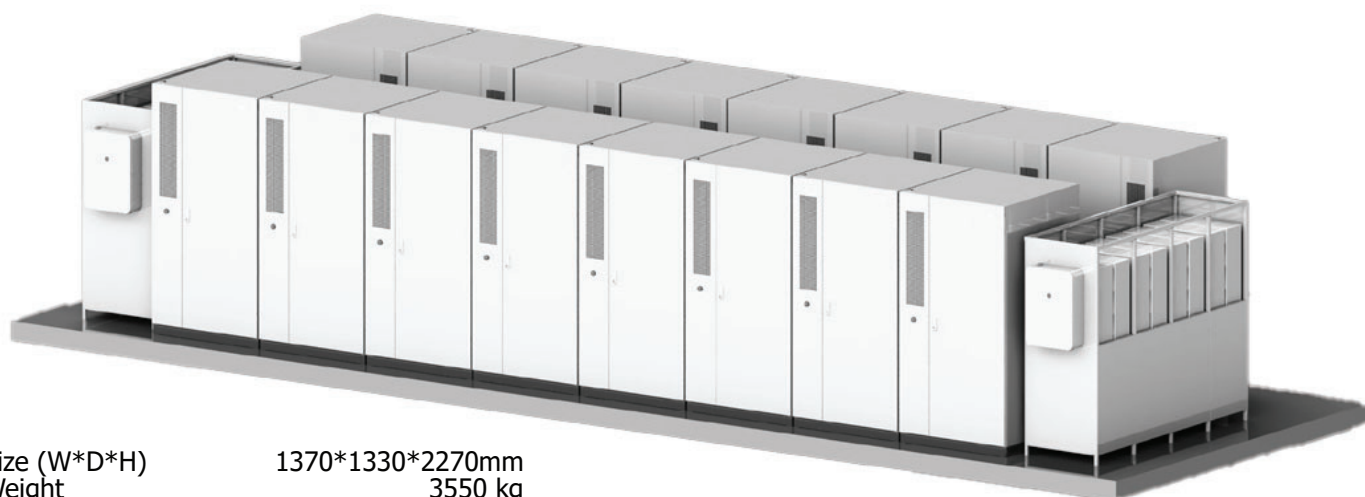
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## General Data

Maximum efficiency	≥96%
Charge and discharge ratio	≤0.5C
Discharge depth	>95%DOD
Protection class	IP 67
Cooling / heating mode	liquid cooling / liquid heating
Fire protection system	Aerosol + perfluorohexanone
Operating temperature	-25~55°C
Relative humidity	5~95%RH, without condensation
Noise	≤67dB
Maximum operating altitude	2000m
Number of cycles	≥8000@25°C, 0.5C, 70%SOH
Minimum lifetime	≥15 years



Size (W\*D\*H)  
Weight

1370\*1330\*2270mm  
3550 kg

## DC Data

Battery type	LFP
Rated capacity	280 Ah
Series-parallel form	1P416S
Single Pack rated energy capacity	46.59 kWh
System rated energy capacity	372.7 kWh
Rated voltage	1331.2 V



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## PCS 200 kW



200kW ~ 8 MW

- Easy to connect, high efficiency 200 kW inverter with possible parallel connection up to 8 MW



C5M class

- Highest C5M corrosion protection class, suitable for inshore and offshore salty environment



-40°C to 60°C

- Suitable for outdoor application for most of the countries



IP 66

- Full water and dust protection for LFP battery section



Maximum efficiency	99%
European efficiency	98,5%
Isolation mode	transformerless
Protection degree	IP 66
Operating temperature range	-40°C to 60°C
Relative humidity	0-100%, non-condensing
Cooling system	Smart air cooling
Relative humidity	4000m (>3000m derating)
Communication interfaces	RS485/CAN/Ethernet
Dimensions (W*H*D)	810*845*275mm
Weight	98 kg



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## Input DC

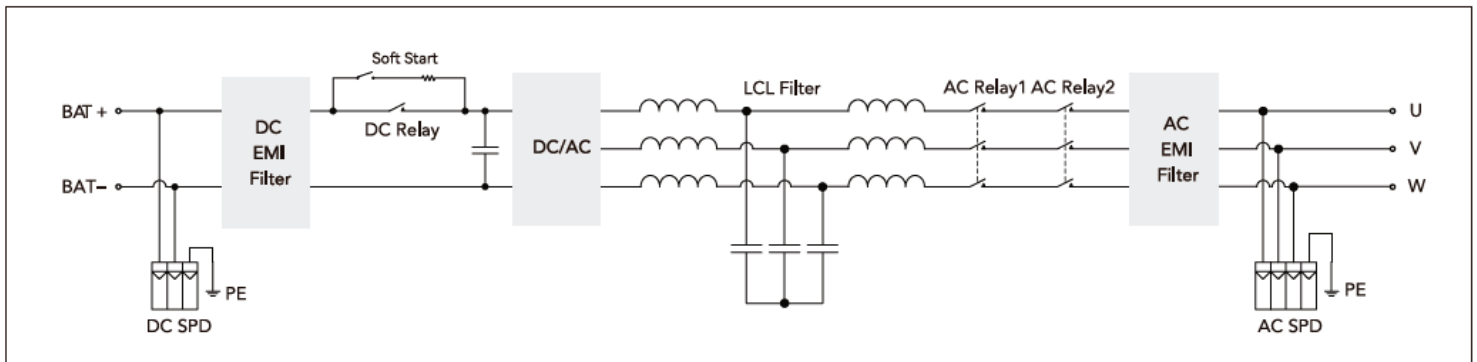
Max. DC Voltage	1500 Vdc
Startup voltage	1000 Vdc
Max. input current	224.5 A
Full-load voltage range	1000~1500 Vdc

## Output AC (on-grid)

AC output power	220kVA@35 °C , 200kVA@45 °C
Rated output voltage	690Vac, 3W+PE
AC voltage range	607~759 Vac (Adjustable)
Rated frequency	50/60 Hz
Rated (Max.) output current	167.4 A (184.1 A)
Power factor	-1~+1

## Output AC (off-grid)

Rated output voltage	690Vac, 3W+PE
AC voltage range	607~759 Vac (Adjustable)
Rated frequency	50/60 Hz
AC voltage distortion	<1.5% (100% linear load)
DC voltage component	<0.5% Un (Linear balance load)
Unbalanced load capacity	



**Certification :** GB/T 34120-2017, GB/T 34133-2017, IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, EN 50549-1, EN 50549-2



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