

PowerCat-YD500P

500kW-474.2kWh



Product Features



Configure intelligent CNC cloud platform



Energy-saving and environmental sustainability



Multi-mode fast charging



No noise pollution



Active safety warning system



Hybrid mode

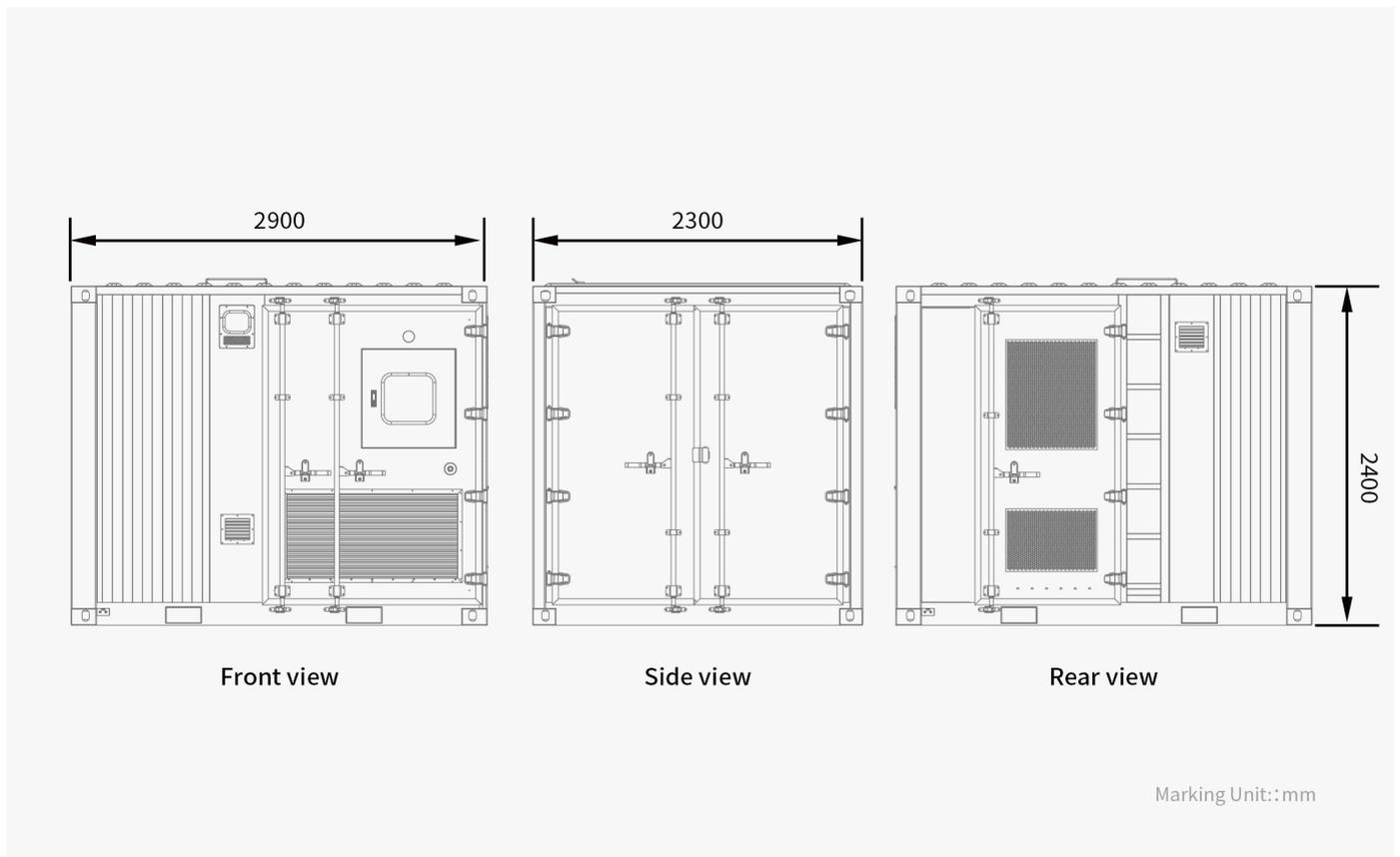
Product Overview

PowerCat container is our self-developed core product that own unique outdoor standard design and flexible compatible PV, utility grid and kinds of diesel generator.

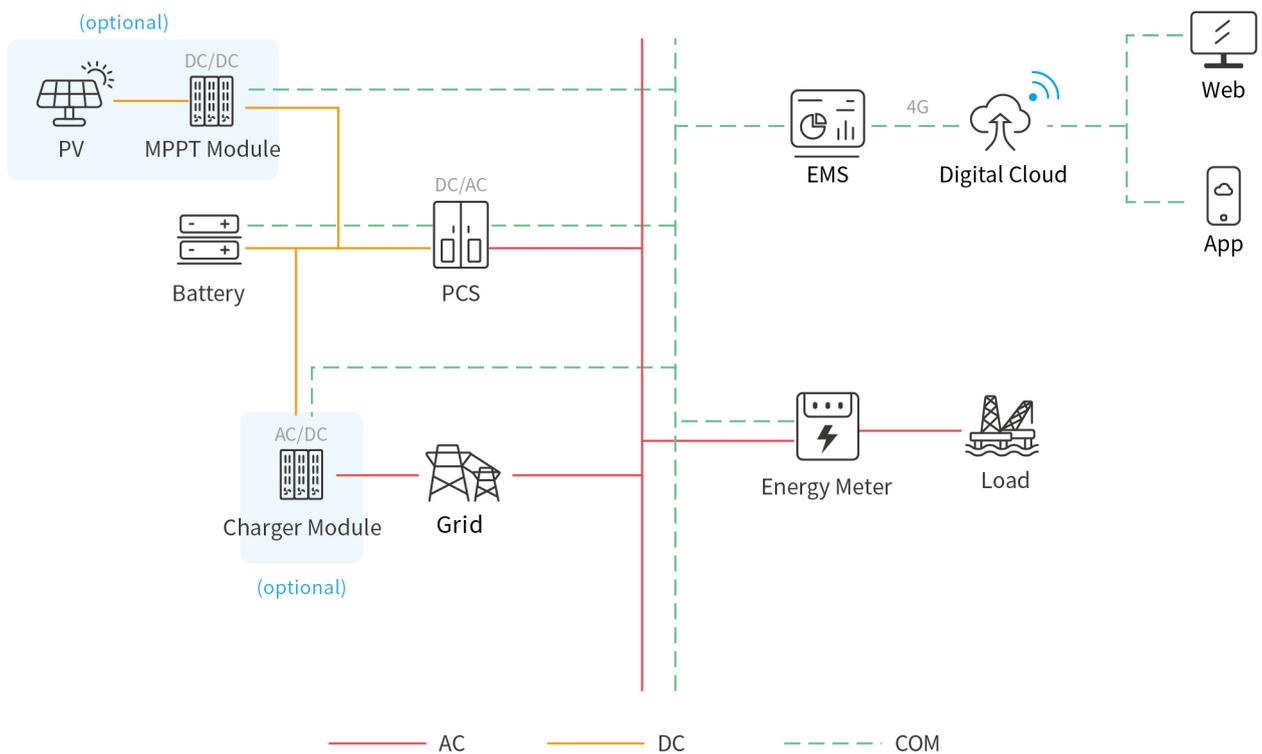
Which mainly apply in diesel genset storage, expansion small utility grid storage.

Strictly safety test, reliable and stable performance definitely meet industry requirements.

Product Dimensions



Product Principle



Battery System	Rated capacity(kWh)	474.2
	Battery Chemistry	LFP(Lithium Iron Phosphate)
	Max. system efficiency(%)	90
	Expected cycle life(up to 80% of original capacity)	>6000 times
	Isolation method	Power frequency isolation
Output Power	kW/kVA Overload (<3min)	500/550
	kW/kVA Nominal	474/500
System Output Power	Overload (<3Min) Current(A)	760
	Rated current(A)	684
	Voltage(VAC)	400±10%(adjustable)
	Max. bypass power(A)	/
	Frequency(Hz)	50±3
	Connection Method	3P4L
	Output Connector	Connect to copper bar 1200A
Independent Charging Interface	Voltage(VAC)	400±20%
	Max. charging rate(kW) ^①	80
	Input connector	160A terminal
	Support type	Power Grid/ Diesel Generator(≤100kVA)
Generator Interface	Power interface	200kVA~600kVA
	Control interface	Dry Contact Relay, Ethernet, RS485
PV Interface	PV DC Coupling(kW)	Customized
	PV AC Coupling(kW)	20~100
System Architecture	In Parallel	Support
	Communication interface	Ethernet, RS485, 4G Router
	Protection rating	IP55
	Dimensions(L*W*H)mm	2900×2300×2400
	Weight(tons)	9
	Cooling type	Liquid cooling
	Refrigerating fluid	50%water + 50%Ethylene Glycol(EG)
	Noise Emission(dB)	<65
	Temperature range(°C)	-20~50
	Humidity range(%)	5~95
Standard	GB/T36276, GB/T34131, UL1973, UL9540A, IEC62619, UN38.3, UN3480	

① Depending on the power of the actual configuration of the charging module.

* In the interests of continual product improvement, specifications are subject to change without notice.