

# PowerCat-YD500C

# 500kW-1044.9kWh



## 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

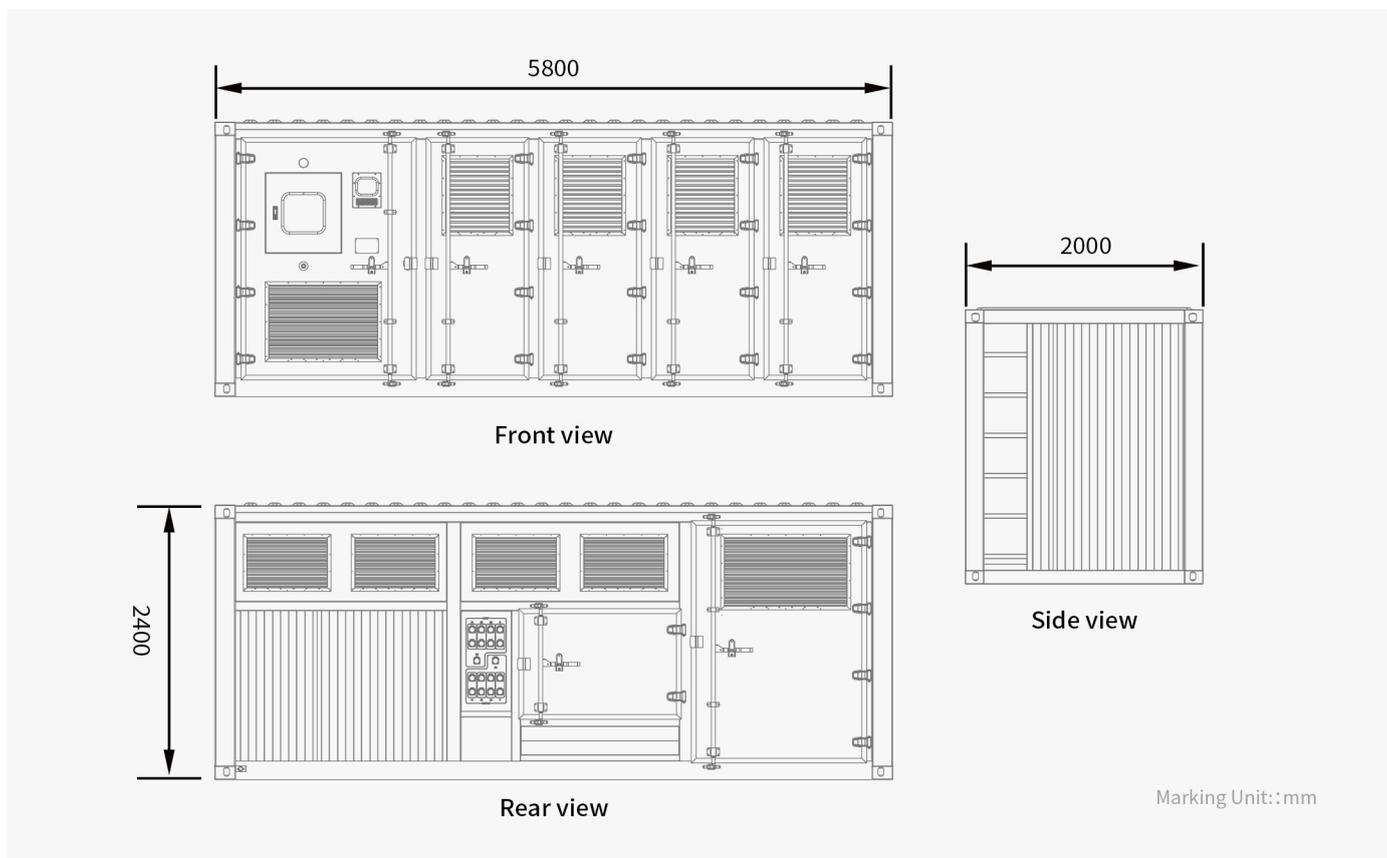
## Product Overview

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.

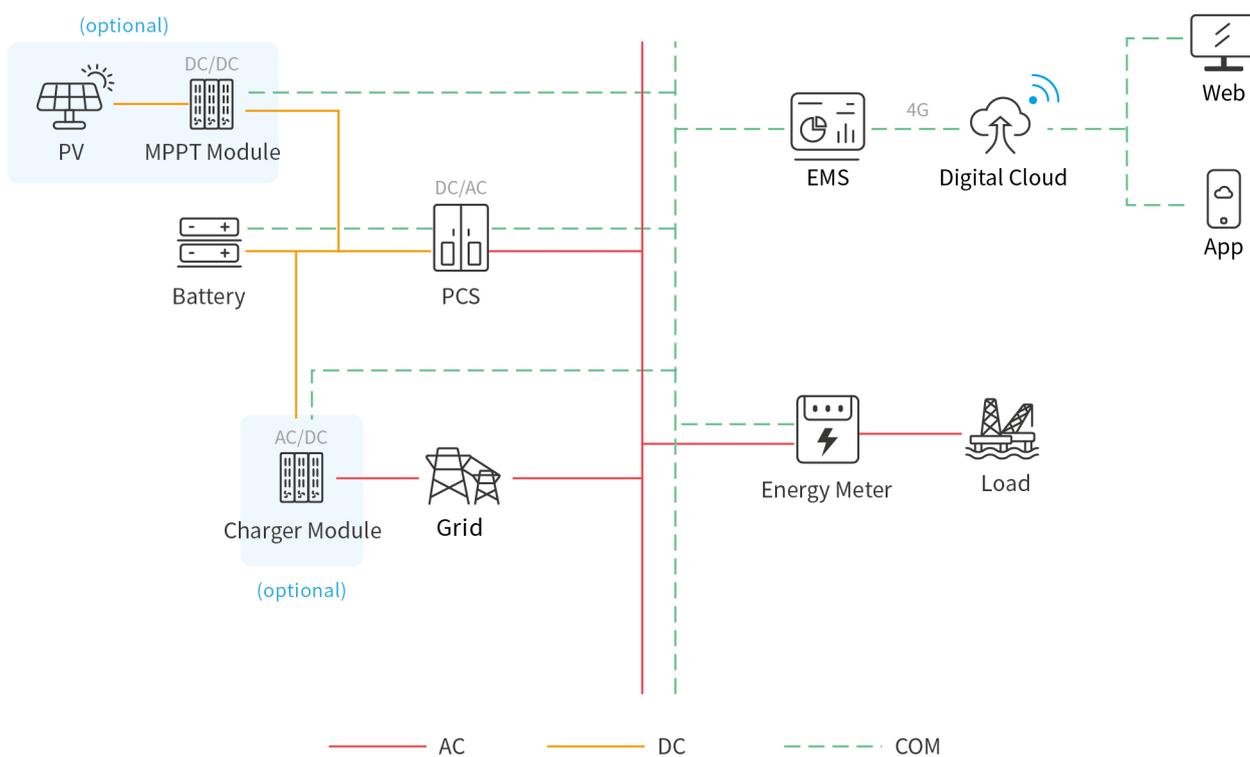
**Which mainly apply in diesel genset storage, expansion small utility grid storage.**

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

## Product Dimensions



## Product Principle



<b>Battery System</b>	Rated capacity(kWh)	1044.9
	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
<b>Output Power</b>	kW/kVA Overload (<3min)	500/550
	kW/kVA Nominal	500/500
<b>System Output Power</b>	Overload (<3Min) Current(A)	1000
	Rated current(A)	760
	Voltage(VAC)	400±10%(adjustable)
	Max. bypass power(A)	/
	Frequency(Hz)	50±3
	Connection Method	3P4L
	Output Connector	Connect to copper bar 1200A
<b>Independent Charging Interface</b>	Voltage(VAC)	400±20%
	Max. charging rate(kW) <sup>①</sup>	160
	Input connector	160A terminal 2 branch inputs
	Support type	Power Grid/ Diesel Generator(≤100kVA)
<b>Generator Interface</b>	Power interface	200kVA~600kVA
	Control interface	Dry Contact Relay, Ethernet, RS485
<b>PV Interface</b>	PV DC Coupling(kW)	Customized
	PV AC Coupling(kW)	20~100
<b>System Architecture</b>	In Parallel	Support
	Communication interface	Ethernet, RS485, 4G Router
	Protection rating	IP55
	Dimensions(L*W*H)mm	5800×2000×2400
	Weight(tons)	≈10
	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
<b>Standard</b>	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.