

# PowerCat-YD100

## 100kW-115kWh



### Product Features



#### Compact modular and mobility design

All-In-One design for easy serviceability and efficiency, small footprint enabling easy transportation from site A to site B.



#### Simple installation and rapid deployment

Highly integrated, plug and play, convenient transport, and the on-site installation and commissioning process is straightforward and efficient.



#### Integrated connectivity and seamless power switch.

Seamless integrates generators, battery storage, PV and mains grid to supply uninterrupted power during outages.



#### Cloud platform, intelligent monitoring and remote maintenance

Real-time data analysis, Achieve to integration control on cloud+Edge computing+terminal devices

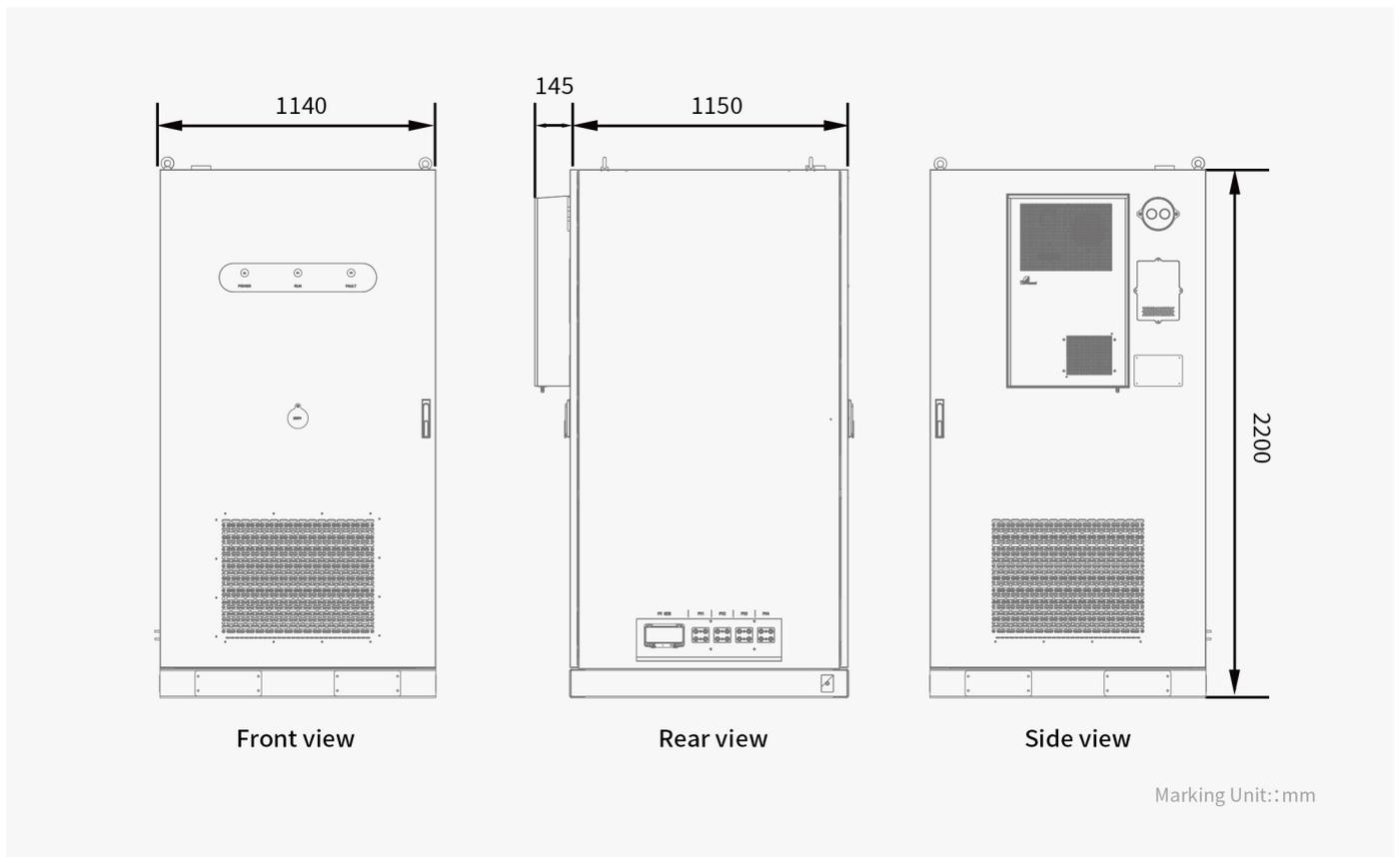
### Product Overview

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.

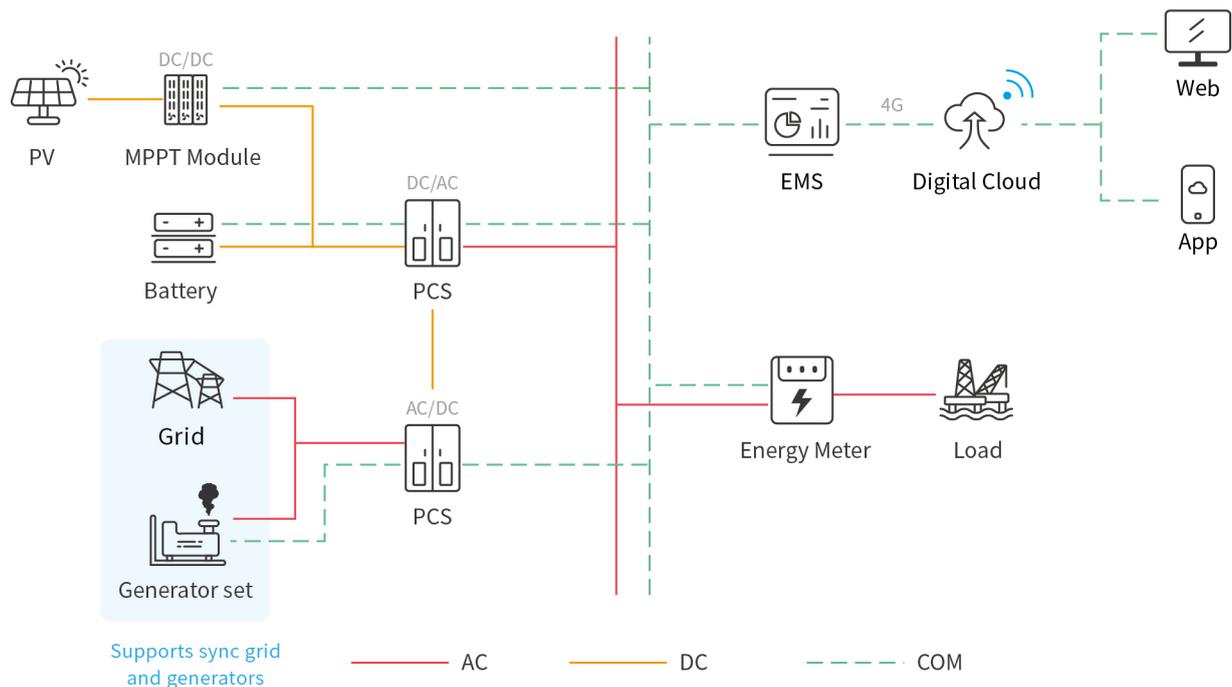
**General Application Scenarios:** ① Grid capacity expansion; ② Emergency backup power; ③ Substation microgrids.

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

## Product Dimensions



## Product Principle



<b>Battery System</b>	Rated capacity(kWh)	115.2
	Battery Chemistry	LFP(Lithium Iron Phosphate)
	Max. system efficiency(%)	90
	Expected cycle life(up to 80% of original capacity)	>4000 times
<b>Output Power</b>	Nominal Power kW/kVA	100/100
<b>System Output Power</b>	Rated current(A)	150
	Voltage(VAC)	400±10%(adjustable)
	Max.bypass power(A)	200
	Frequency(Hz)	50±3
	Connection Method	3P4L
	Output Connector	connect to copper bar 200A
<b>Grid Interface</b>	Voltage(VAC)	400±10%
	Input Connector	connect to copper bar 200A
<b>Generator Interface</b>	Input interface	≤180kVA
	Input Connector	connect to copper bar 200A
	Control interface	Dry Contact Relay,Ethernet,RS485
<b>PV Interface</b>	PV DC Coupling(kW)	8 sets of PV4.0 standard interfaces, maximum total current 100A
	PV AC Coupling(kW)	Custom-made
<b>System Architecture</b>	Communication interface	Ethernet, RS485, 4G Router
	Protection rating	IP55
	Dimensions(L*W*H)mm	1300×1140×2200 (Including air conditioning)
	Weight(tons)	2
	Cooling type	Air cooling
	Refrigerating fluid	R134a
	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	