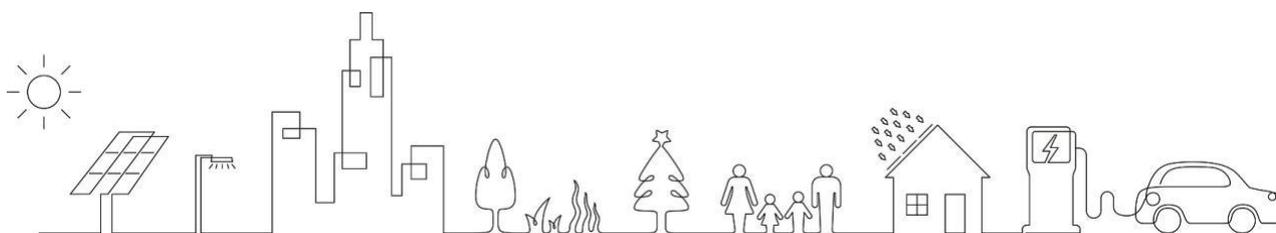


Tensorpack T Energy Storage System Specification



Product Introduction

As global energy systems evolve, advanced energy storage has become essential for grid stability and resilience. The Tensorpack T Commercial and Industrial Energy Storage System (ESS) delivers a high-efficiency, reliable solution for modern power grids and industrial energy applications.

The Tensorpack T ESS integrates a modular battery system with an intelligent AC control system. This datasheet provides detailed technical specifications to support engineers, and users in design, deployment, and operation.

Key Features

- **High Performance**

All batteries are connected in series to avoid circulating current and ensure the PCS operates at the highest efficiency range. The thermal management system automatically adjusts the cooling strategy to maintain the best operating conditions of the batteries.

- **Long Lifespan**

The main components are from first-tier suppliers, combined with an intelligent battery management system. The energy storage system has a cycle life of more than 8,000 times and a service life of 20 years.

- **Flexible Deployment**

The highly integrated system requires only external cables to be connected on site, significantly reducing construction, operation, and maintenance costs. Parallel connection of energy storage systems can reach several MW power stations.

- **IEC Standards**

Design and production are based on IEC standards and comply with mandatory requirements of various countries. High standards, high safety, and high reliability ensure the stable operation of the energy storage system throughout its life cycle.

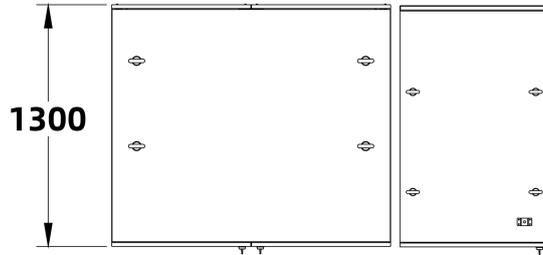
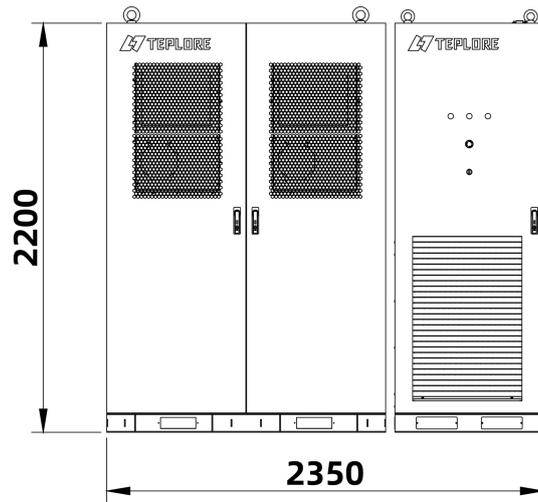
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100kW Power Platform: 217/241/265kWh

Specification	100kW/217kWh	100kW/241kWh	100kW/265kWh	
DC Parameters				
Rated Energy	217kWh	241kWh	265kWh	
Rated Voltage	691.2V	768V	844.8V	
Voltage Range	604.8V ~ 777.6V	672V ~ 864V	739.2V ~ 950.4V	
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	100kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	145A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	2350mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	820kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

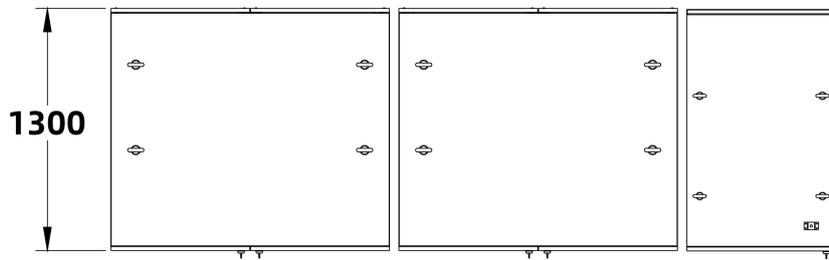
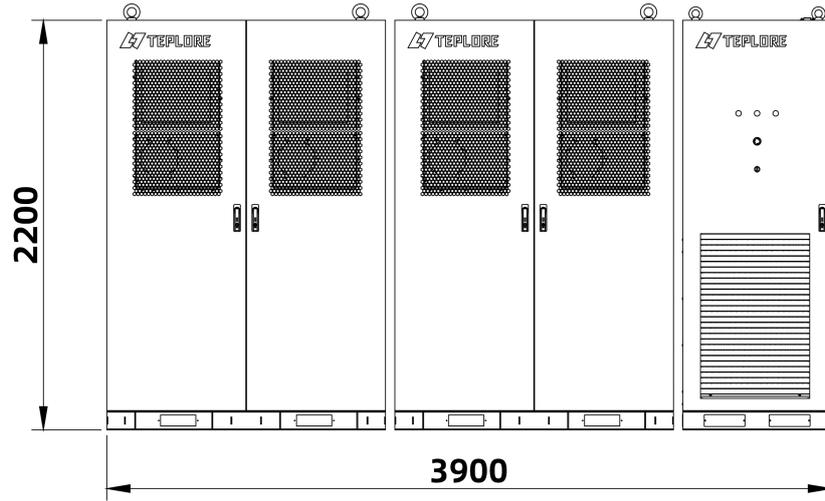


Dimension (Unit:mm)

200kW Power Platform: 434/482/530kWh

Specification	200kW/434kWh	200kW/482kWh	200kW/530kWh	
DC Parameters				
Rated Energy	434kWh	482kWh	530kWh	
Rated Voltage	691.2V	768V	844.8V	
Voltage Range	604.8V ~ 777.6V	672V ~ 864V	739.2V ~ 950.4V	
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	200kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	290A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	3900mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	900kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

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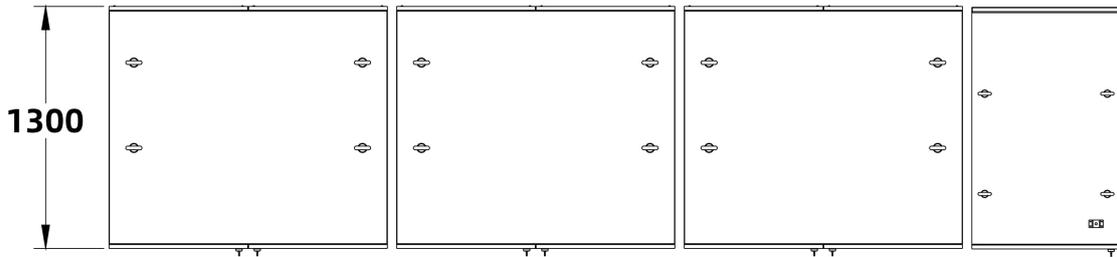
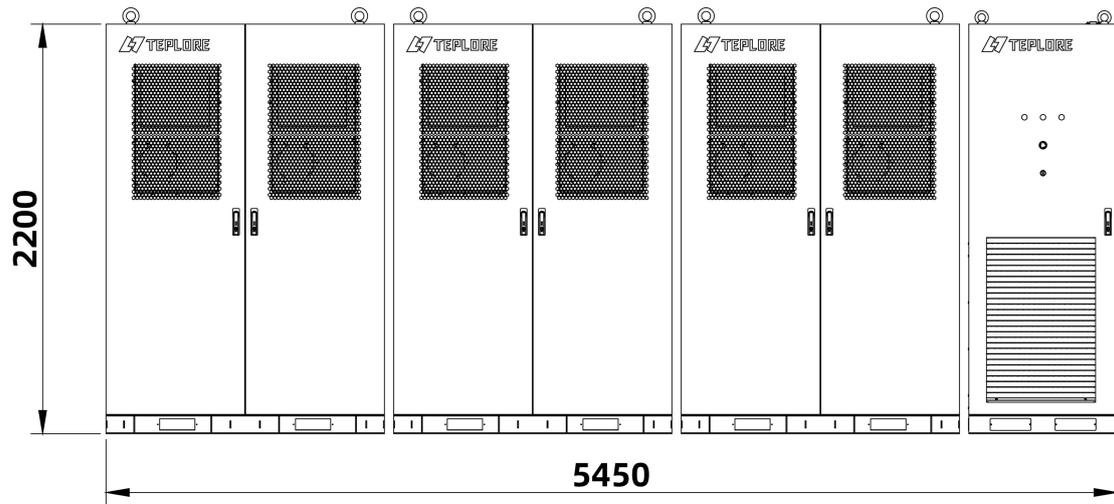


Dimension (Unit:mm)

300kW Power Platform: 651/723/795kWh

Specification	300kW/651kWh	300kW/723kWh	300kW/795kWh	
DC Parameters				
Rated Energy	651kWh	723kWh	795kWh	
Rated Voltage	691.2V	768V	844.8V	
Voltage Range	604.8V ~ 777.6V	672V ~ 864V	739.2V ~ 950.4V	
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	300kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	435A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	5450mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	980kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

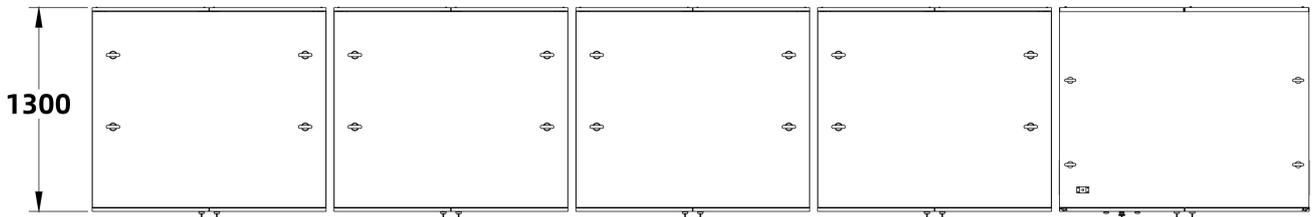
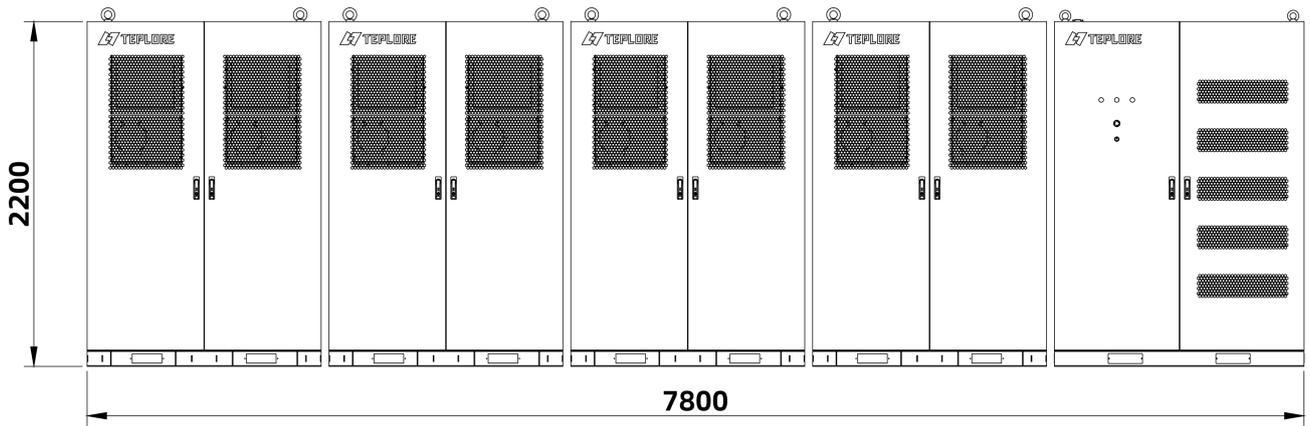


Dimension (Unit:mm)

400kW Power Platform: 868/964/1060kWh

Specification	400kW/868kWh	400kW/964kWh	400kW/1060kWh	
DC Parameters				
Rated Energy	868kWh	964kWh	1060kWh	
Rated Voltage	691.2V	768V	844.8V	
Voltage Range	604.8V ~ 777.6V	672V ~ 864V	739.2V ~ 950.4V	
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	400kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	580A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	7800mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	1140kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

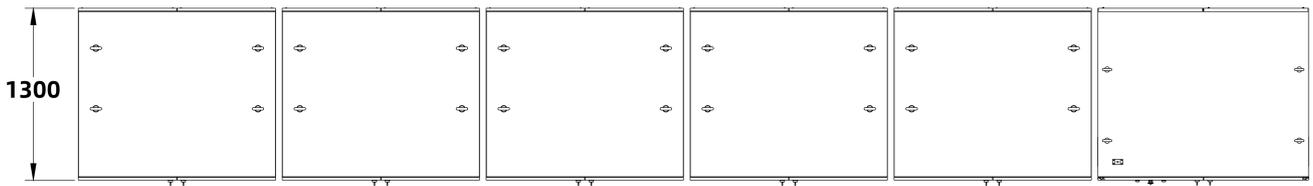
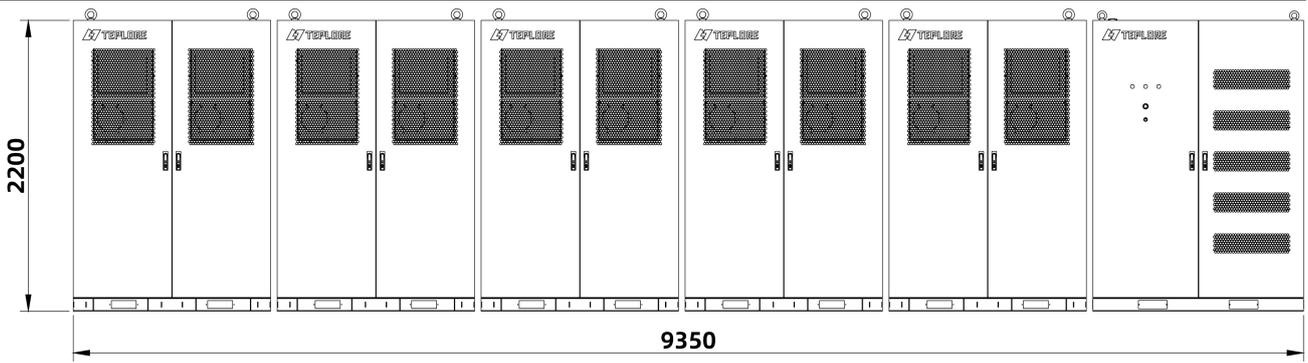


Dimension (Unit:mm)

500kW Power Platform: 1085/1205/1325kWh

Specification	500kW/1085kWh	500kW/1205kWh	500kW/1325kWh	
DC Parameters				
Rated Energy	1085kWh	1205kWh	1325kWh	
Rated Voltage	691.2V	768V	844.8V	
Voltage Range	604.8V ~ 777.6V	672V ~ 864V	739.2V ~ 950.4V	
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	500kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	725A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	9350mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	1220kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

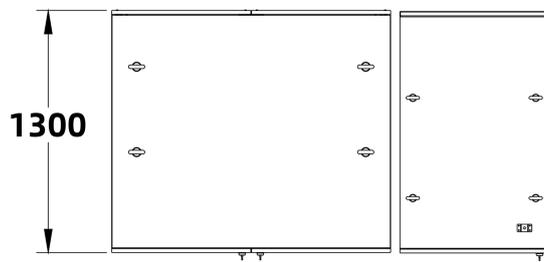
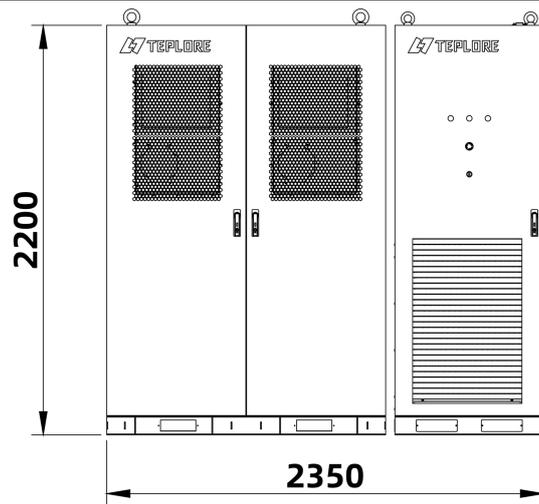


Dimension (Unit:mm)

130kW Power Platform: 265kWh

Specification	130kW/265kWh			
DC Parameters				
Rated Energy	265kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	130kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	188A			
THDi	< 3%			
Rated Grid Frequency	50Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	2350mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	830kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

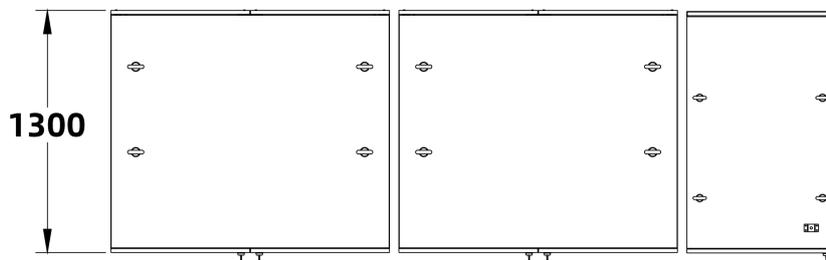


Dimension (Unit:mm)

260kW Power Platform: 530kWh

Specification	260kW/530kwh			
DC Parameters				
Rated Energy	530kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	260kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	376A			
THDi	< 3%			
Rated Grid Frequency	50Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	3900mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	920kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

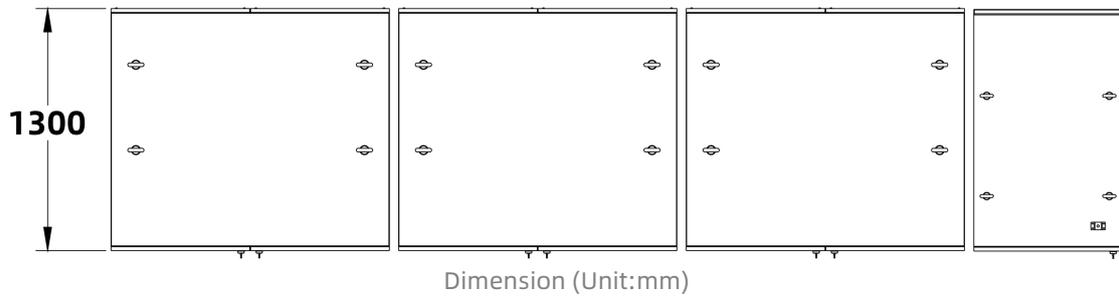
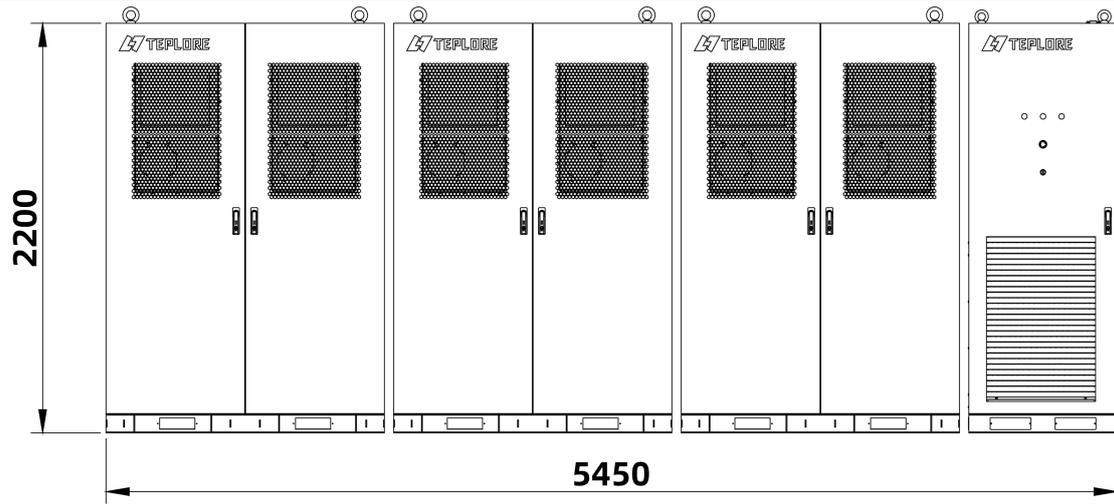


Dimension (Unit:mm)

390kW Power Platform:795kWh

Specification	390kW/795kWh			
DC Parameters				
Rated Energy	795kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	390kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	564A			
THDi	< 3%			
Rated Grid Frequency	50Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	5450mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	1010kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

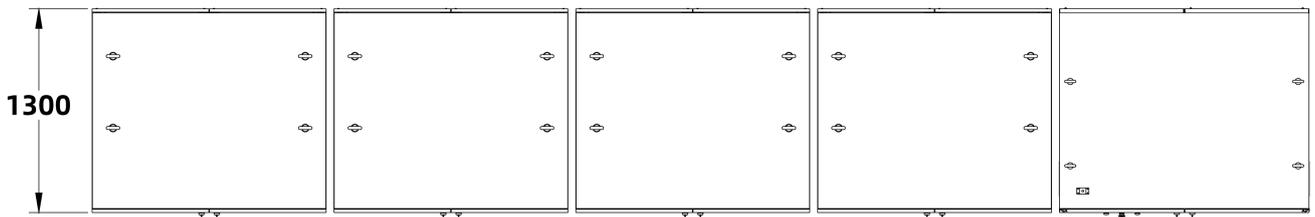
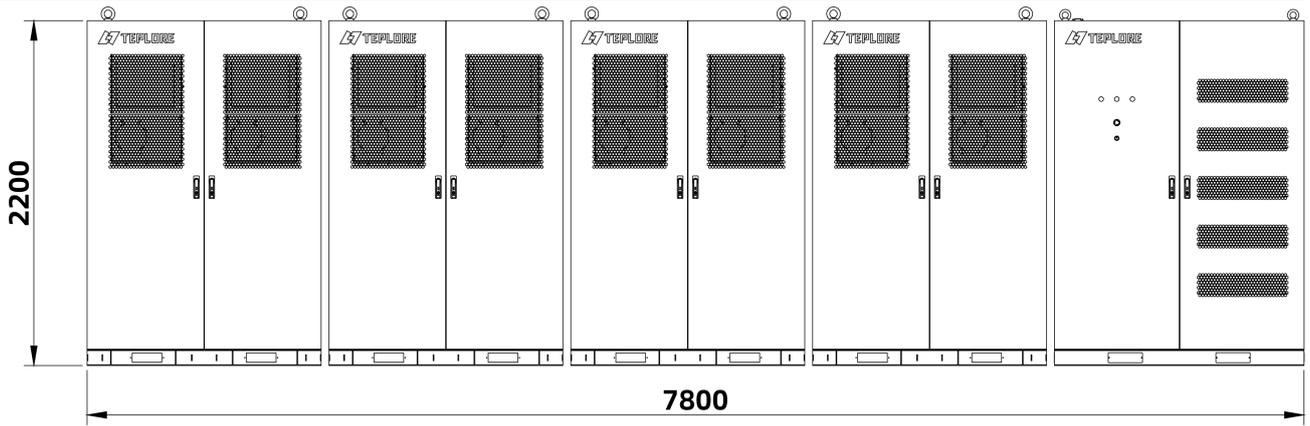
Note: *Weights are for reference only and may vary depending on configuration, or optional components.



520kW Power Platform: 1060kWh

Specification	520kW/1060kWh			
DC Parameters				
Rated Energy	1060kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	520kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	752A			
THDi	< 3%			
Rated Grid Frequency	50Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	7800mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	1180kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

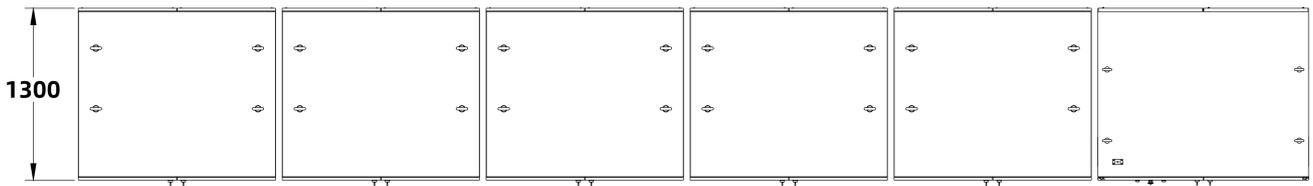
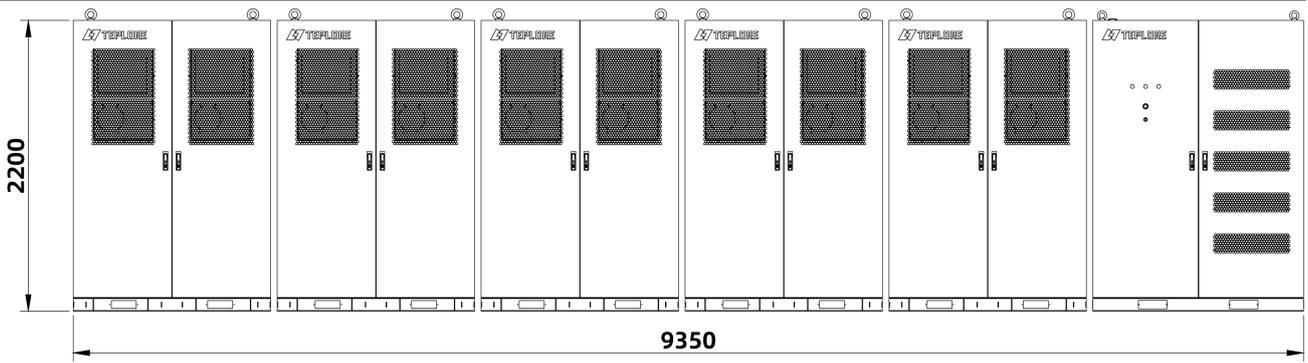


Dimension (Unit:mm)

650kW Power Platform:1325kWh

Specification	650kW/1325kWh			
DC Parameters				
Rated Energy	1325kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	650kW			
Rated Grid Voltage	400V			
Grid Voltage Range	360V ~ 440V			
Rated AC Current	940A			
THDi	< 3%			
Rated Grid Frequency	50Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	9350mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	1270kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

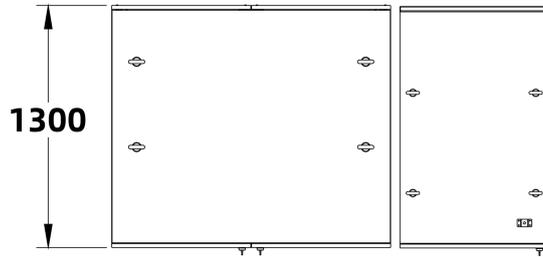
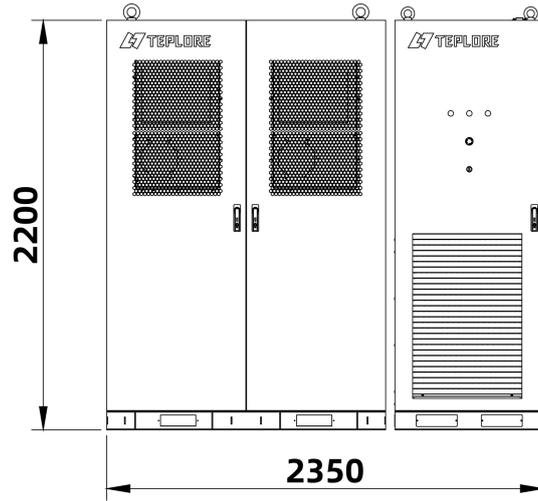


Dimension (Unit:mm)

135kW Power Platform:265kWh

Specification	135kW/265kWh			
DC Parameters				
Rated Energy	265kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	135kW			
Rated Grid Voltage	400V			
Grid Voltage Range	340V ~ 460V			
Rated AC Current	195A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	2350mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	855kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

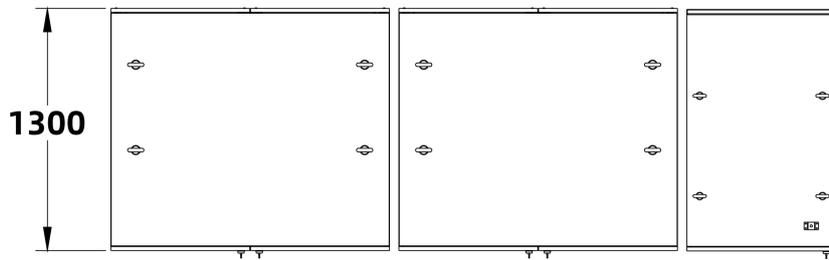
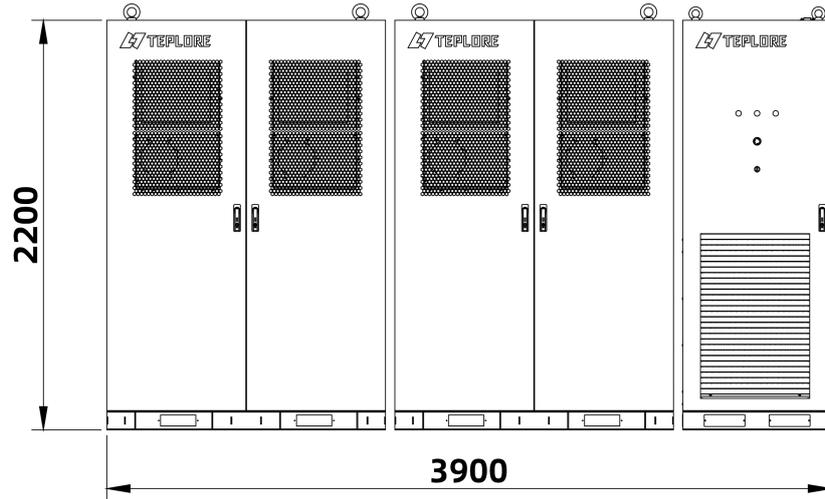


Dimension (Unit:mm)

270kW Power Platform: 530kWh

Specification	270kW/530kWh			
DC Parameters				
Rated Energy	530kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	270kW			
Rated Grid Voltage	400V			
Grid Voltage Range	340V ~ 460V			
Rated AC Current	390A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	3900mm × 1300mm × 2200mm			
Weight	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	970kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

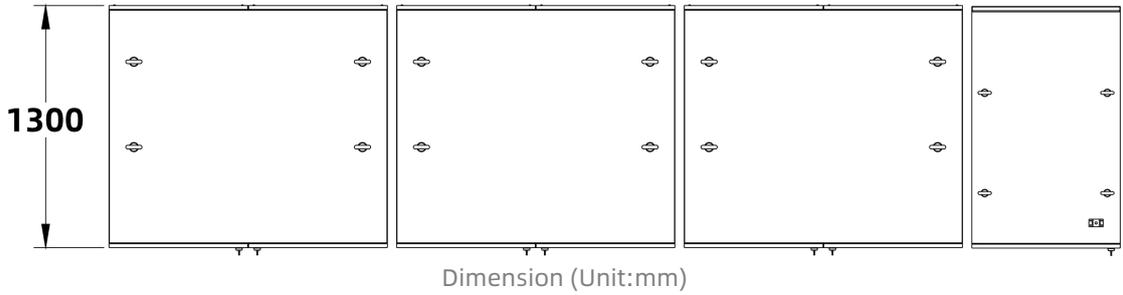


Dimension (Unit:mm)

405kW Power Platform: 795kWh

Specification	405kW/795kWh			
DC Parameters				
Rated Energy	795kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	405kW			
Rated Grid Voltage	400V			
Grid Voltage Range	340V ~ 460V			
Rated AC Current	585A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	5450mm × 1300mm × 2200mm			
Weight	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	1085kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

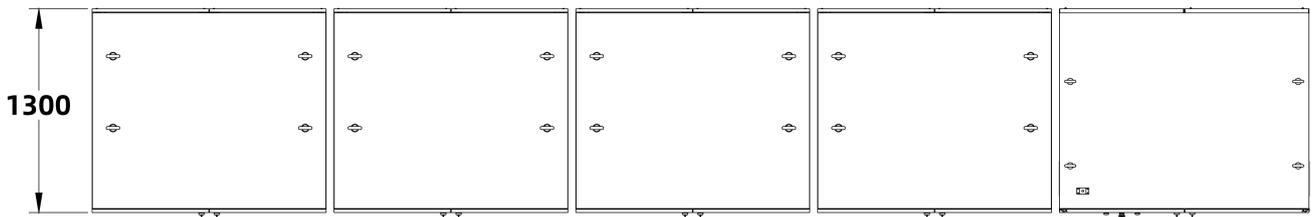
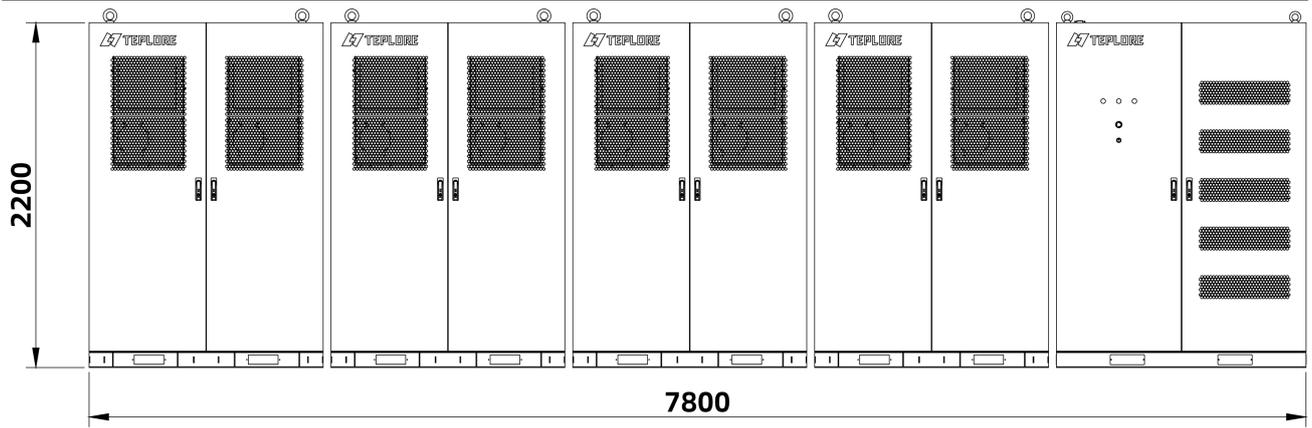
Note: *Weights are for reference only and may vary depending on configuration, or optional components.



540kW Power Platform: 1060kWh

Specification	540kW/1060kWh			
DC Parameters				
Rated Energy	1060kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	540kW			
Rated Grid Voltage	400V			
Grid Voltage Range	340V ~ 460V			
Rated AC Current	780A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	7800mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	1280kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.

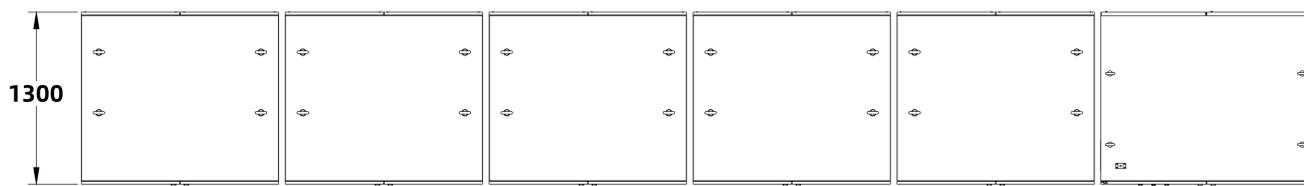
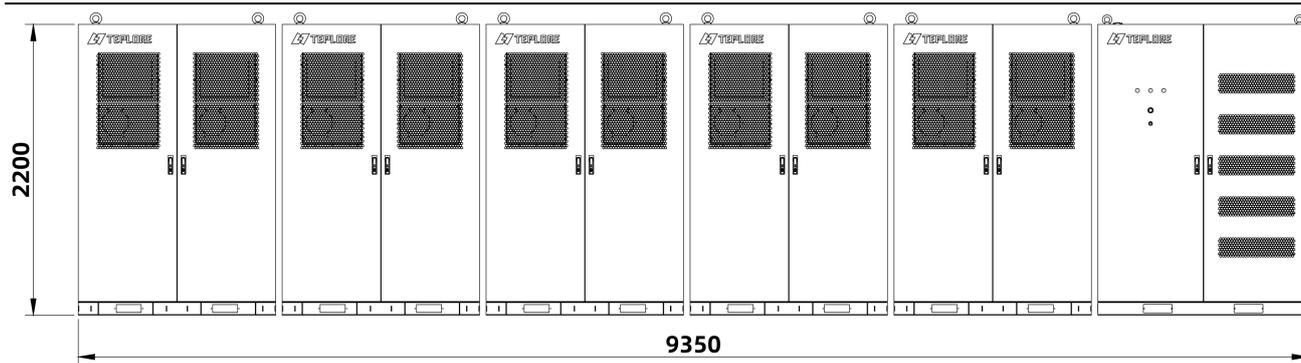


Dimension (Unit:mm)

675kW Power Platform: 1325kWh

Specification	675kW/1325kWh			
DC Parameters				
Rated Energy	1325kWh			
Rated Voltage	844.8V			
Voltage Range	739.2V ~ 950.4V			
Cycles Expected @100%DoD 70%EoL 25±5°C 0.5P/0.5P	8000 Cycles			
Battery Type	LFP 314Ah			
AC Parameters				
Rated AC Power	675kW			
Rated Grid Voltage	400V			
Grid Voltage Range	340V ~ 460V			
Rated AC Current	975A			
THDi	< 3%			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	-1 ~ +1			
Grid Type	3P + N + PE			
System Parameters				
Highest Round-trip	91%			
Operating Temperature	-30°C ~ +55°C			
Storage Temperature	-30°C ~ +60°C			
Humidity	0%~100% (Non Condensing)			
Altitude	≤ 2000m			
Communication Interface	Ethernet / RS485 / 4G			
Communication Protocol	Modbus TCP / Modbus RTU / IEC104 / MQTT			
IP Rating	IP55			
Corrosion Protection	C4			
Thermal Management	Smart Air Cooling			
Noise Rating	≤ 70dB			
Dimension(W×D×H)	9350mm × 1300mm × 2200mm			
Weight*	Per Battery Cabinet	2380kg	2550kg	2720kg
	AC Control Cabinet	1395kg		
Certification				
Battery Cells	UL1973, UL9540A, IEC62619, UN38.3			
Battery System	IEC62619, IEC63056, IEC60730-1 Annex H, IEC62477-1, IEC61000-6-2/-4, RoHS, Reach, UN38.3			
PCS EMC/LVD	IEC61000-2/-4, IEC 62477-1			
Grid Compliance	EN50549-1, EN50549-2, VDE 4105, VDE 4110, G99, AS 4777.2, C10/C11, CEI 0-21, CEI 0-16			

Note: *Weights are for reference only and may vary depending on configuration, or optional components.



Dimension (Unit:mm)