



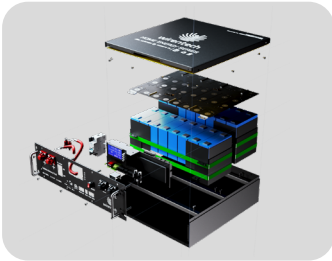
Safety Certified Via:
 UL1973, UL9540A, PSE, CB
 CE, MSDS, UN38.3

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Spec Sheet

Technical Specification		WT5100(51.2V100Ah)		WT24200(25.6V200Ah)		
Operation Voltage		44 . 8V~ 57.5V		22.4V~ 28.8V		
Dimensions		482*510*138mm		482*510*138mm		
Weight		46KG		46KG		
Warranty		10 Years		10 Years		
LiFe Time		15 Years @ 68°F		15 Years @ 68°F		
Cycle life		6000+		6000+		
Energy		51.2V 100Ah (5.12KWh)		25.6V 200Ah (5.12KWh)		
Max. Charge Voltage		57.6V(Adjustable)		28.8V(Adjustable)		
Max. Charge Current		50A (2.56KW) @77°F		100A (2.56KW) @77°F		
Max. Discharge Current		100A (5.12KW) @77°F		200A (5.12KW) @77°F		
Energy Scalable		Max. 32 units in parallel		Max. 32 units in parallel		
Enclose Protection Rate		IP22				
Communication		RS232/RS485 → PC software CAN/RS485 → Inverters				
Storage		Recommended stored at above 50% SOC, test @ 90 Days, recharge if below 52V				
BMS Parameters		WT5100		WT24200		
Charge	Spec	Delay	Recovery	Spec	Delay	Recovery
Cell Voltage Protection	3.65V	1 sec	3.45V	3.65V	1 sec	3.45V
Module Voltage Protection	58.2V	1 sec	55.2V	29.1V	1 sec	27.6V
Over Charging Current 1	>99A	1 sec	-	>198A	1 sec	-
Over Charging Current 2	>110A	0.3 sec	-	>220A	0.3 sec	-
Temperature Protection	<-5°C or >65°C	1 sec	>0°C or <60°C	<-5°C or >65°C	1 sec	>0°C or <60°C
Discharge						
Cell Voltage Protection	2.5V	1 sec	2.7V	2.5V	1 sec	2.7V
Module Voltage Protection	40.2V	1 sec	43.2V	20.1V	1 sec	21.6V
Over Discharging Current 1	>99A	1sec	-	>198A	1sec	-
Over Discharging Current 2	>130A	0.3 sec	-	>260A	0.3 sec	-
Short-Circuit	>260A	0.5 mS	-	>520A	0.5 mS	-
Temperature Protection	<-20°C or >70°C	4sec	4>-15°C or <65°C	<-20°C or >70°C	4sec	4>-15°C or <65°C
BMS	Parameter		Condition			
PCB Temperature Protection	>90°C	4 sec	<85°C			
Cell Balance	1A	Passive Balance	Cell Voltage Difference >50mV			
Temperature Accuracy	≤2 C	Cycle Measurement	Measuring Range -40 to 100°C			
Voltage Accuracy	10mV (cell)	Cycle Measurement	For Cells & Module			
Current Accuracy	2%	Cycle Measurement	Measuring Range -200 to 200°C			
SOC	5%	-	Integral Calculation			
Power Consumption - Sleep/Off Mode	<330uA	Sleep & Off Mode	Storage/Transport			
Power Consumption - Operating Mode	<80mA	Operating Mode	Charging/Discharging			



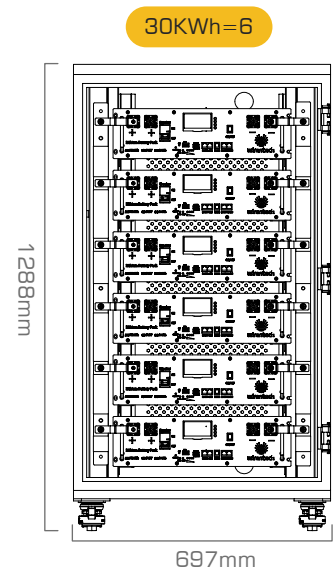
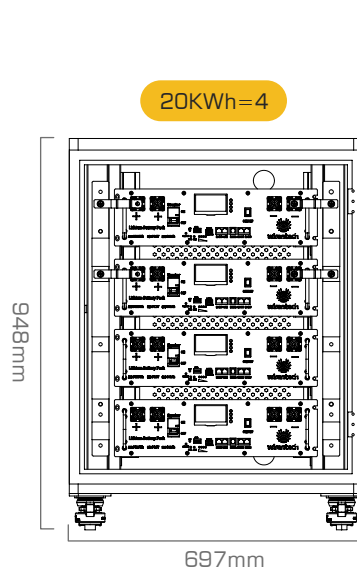
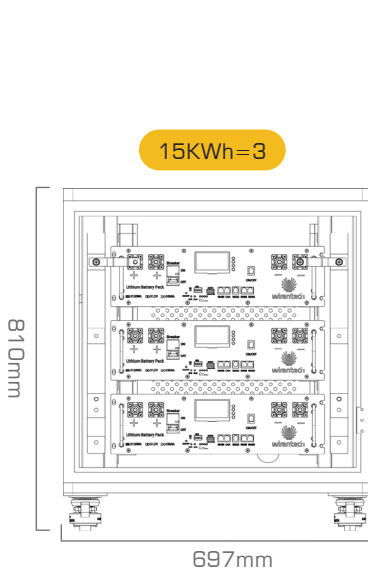
(Blown up, Internal View)



CCS (Cells Contact System)



Fire Distinguisher



RACK BATTERY

WT5100/WT24200



WT5100/WT24200
Open the lid from the side



WT5100/WT24200
Close the lid from the front



WT5100/WT24200
Individual Battery Modules