

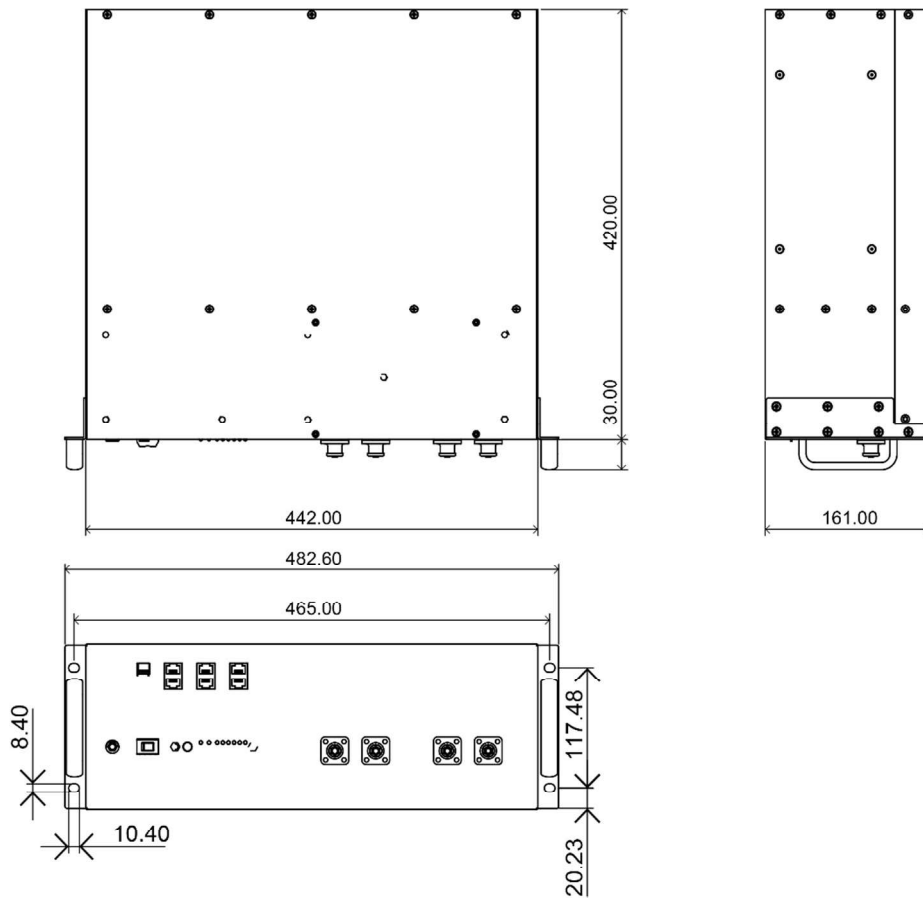


Rechargeable Li-ion Battery

US5000 Series Specifications



3.2 Specification



Basic Parameters	US5000	US5000-B
Nominal Voltage (Vdc)	48	
Nominal Capacity (Wh)	4800	
Usable Capacity (Wh)	4560	
Depth of discharge (%)	95	
Dimension (mm)	442*420*161	
Weight (Kg)	39.7	40
Discharge Voltage (Vdc)	43.5 ~ 53.5	
Charge Voltage (Vdc)	52.5 ~ 53.5	
Recommended Charge/Discharge Current (A)	80*	
Max. continuous Charge/Discharge Current (A)	100*	
Peak Charge/Discharge Current (A)	101-120@15min	
	121~200@15sec	
Communication	RS485, CAN	
Configuration (max. in 1 battery group)	16pcs	
Working Temperature	0°C ~50°C Charge	
	-10°C ~50°C Discharge	
Shelf Temperature	-20°C ~60°C	
Short current/duration time	<2000A/1ms	
Cooling type	Natural	
Breaker	No	Yes
Protective class	I	
IP rating of enclosure	IP20	
Humidity	5% ~ 95%(RH) No Condensation	
Altitude(m)	≤4000	
Certification	TÜV / CE / UL / UN38.3	
Design life	15+ Years (25°C /77°F)	
Cycle Life	>6,000 25°C	
Reference standards	IEC62619, IEC63056, UL1973, UL9540A, IEC61000-6-2, IEC61000-6-3, UN38.3	

*: The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



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