Basic Parameters	US5000	US5000-B
Nominal Voltage (VDC)	48	
Nominal Capacity (Wh)	4800	
Usable Capacity (Wh)	4560	
Depth of discharge (%)	95	
Rated power (W)	4800	
Dimensions (mm)	442 (W) x 420 (D) x 161 (H)	
Weight (kg)	39.7	40
Discharge Voltage (Vdc)	43.5 ~ 53.2	
Charge Voltage (Vdc)	52.5 ~ 53.2	
Operation voltage range(VDC)	43.5 ~ 53.2	
Recommended Charge/Discharge Current (A)*	100	
Maximum continuous Charge/Discharge Current (A)*	100	
Peak Charge/Discharge Current (A)	105~119@ 15 minutes	
Maximum continuous Charge/Discharge Current (A)*	120~200@ 15 seconds	
Communication	RS485, CAN	
Configuration (maximum amount in 1 battery group)	16 pcs	
Working Temperature (°C)	0°C ~50°C Charge	
Configuration (maximum amount in 1 battery group)	-10°C ~50°C Discharge	
Shelf Temperature (°C)	-20°C ~45°C	
Short current/duration time	<2000A/ 1 millisecond	
Cooling type	Natural	
Breaker	No	Yes
Protective class	I	
IP rating of enclosure	IP20	
Humidity	5% ~ 95%(RH) No Condensation	
Altitude (m)	≤ 4,000 m	
Certification	TÜV / CE / UL / UN38.3	
Design life (year)	15+ (25°C)	
Cycle Life (cycle) **	> 8,000 (25°C)	
Reference standards	IEC62619, IEC63056, UL1973, UL9540A, IEC61000-6-2, IEC61000-6-3, UN38.3	
Country of manufacturer	China	

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

** Cycle Life is defined based on specific operation conditions, for more details please check with Pylontech service team.