

B10000

10kWh Low-voltage Battery

- 10.24-61.44kWh flexible capacity expansion, meet the needs of the whole family
- Efficient integration of large capacity, space-saving, beautiful and practical
- Unlock greater efficiency with 1C charge & discharge rate
- High-efficiency 200A fast charging & discharging
- Automatic single battery fault isolation function, guarantees continuous system performance
- Fearlessly defying extreme temperatures, operating temperature -20℃~60℃
- Superior Safety with Triple Battery Protection :
 - ①Full coverage temperature detection
 - ②BMS intelligent control, over-temp., over-current, over-voltage protection
 - ③Built-in overcurrent protection switch, protect the battery form short-circuit



Technical Specification

Model	B10000 x1	B10000 x2	B10000 x3
Product name(kWh)	Rechargeable Li-ion Battery Pack (10.24)	Rechargeable Li-ion Battery Pack (20.48)	Rechargeable Li-ion Battery Pack (30.72)
Rated Energy ¹ (kWh)	10.24	20.48	30.72
Usable capacity(kWh)	9.21	18.42	27.63
Battery type	LFP(LiFePO4)		
Battery configuration	16S2P	16S4P	16S6P
Maximum modules in parallel	6		
Cycle life ²	8000 cycles		
Rated voltage(V)	51.2		
Operating voltage range(V)	48-57.6		
Peak current	250A-10S		
Depth of Discharge (DOD)(%)	90	90	90
Max.continuous charge/discharge current(A)	100/150	200/240	200/240
Rated power(kW)	7.5	12	12
Short-Circuit Current	600A@0.1ms		
Run Log Recording	32M-byte		
Communication	CAN		
Weight(KG)	51.8(±3)	103.6(±3)	155.4(±3)
Dimensions(WHD)(mm)	579*500*175	579*1000*175	579*1500*175
Operating temperature	Charge: 0C<T<55C / Discharge: -20C<T<55℃		
Storage temperature	-20~40℃ (≤One month) / 0~35C (≤Six months)		
Humidity(%)	≤10~85		
Altitude(m)	≤2000		
Ingress protection rating	IP21		
Installation type	Wall-mounted		
Warranty ³	10 Years Warranty,10 Years Performance Life		
Country of manufacture	Made in China		

Rated Energy*:Test conditions, Fresh battery,0.33C charge&discharge at +25℃.
Cycle life*:Test conditions,90%DOD,0.2C charge&discharge at +25℃.
Warranty*:Refer to the product warranty terms for details.

Technical Specification

Model	B10000 x4	B10000 x5	B10000 x6
Product name(kWh)	Rechargeable Li-ion Battery Pack (40.96)	Rechargeable Li-ion Battery Pack (51.2)	Rechargeable Li-ion Battery Pack (61.44)
Rated Energy ¹ (kWh)	40.96	51.2	61.44
Usable capacity(kWh)	40.84	46.05	55.26
Battery type	LFP(LiFePO4)		
Battery configuration	16S8P	16S10P	16S12P
Maximum modules in parallel	6		
Cycle life ²	8000 cycles		
Rated voltage(V)	51.2		
Operating voltage range(V)	48-57.6		
Peak current	250A-10S		
Depth of Discharge (DOD)(%)	90	90	90
Max.continuous charge/ discharge current(A)	200/240	200/240	200/240
Rated power(kW)	12	12	12
Short-Circuit Current	600A@0.1ms		
Run Log Recording	32M-byte		
Communication	CAN		
Weight(KG)	207(±3)	295(±3)	310.8(±3)
Dimensions(WHD) (mm)	(579*1000*175)x2	579*1500*175 579*1000*175	(579*1500*175)x2
Operating temperature	Charge: 0C<T<55C / Discharge: -20C<T<55℃		
Storage temperature	-20~40℃ (≤One month) / 0~35C (≤Six months)		
Humidity(%)	≤10~85		
Altitude(m)	≤2000		
Ingress protection rating	IP21		
Installation type	Wall-mounted		
Warranty ³	10 Years Warranty,10 Years Performance Life		
Country of manufacture	Made in China		

Rated Energy^{*}:Test conditions, Fresh battery,0.33C charge&discharge at +25℃.
Cycle life^{*}:Test conditions,90%DOD,0.2C charge&discharge at +25℃.
Warranty^{*}:Refer to the product warranty terms for details.