

# B2560

## 2.56kWh Low-voltage Battery

- From 2.5kWh to 15kWh, customize your energy solution as you wish
- Space-saving design with wall-mounting, freeing up your space
- Supports 100A charging & 120A discharging with high efficiency
- Fearlessly defying extreme temperatures, operating temperature -20℃ ~ 60℃
- Superior Safety with Triple Battery Protection:
  - ①Precise temperature detection
  - ②BMS intelligent control, over-temp., over-current, over-voltage protection
  - ③Built-in physical short-circuit protection, protect the battery form short-circuit
- Visible energy tracking & remote upgrade on Hinen APP



### Technical Specification

Model	B2560 x1	B2560 x2	B2560 x3
Product name(kWh)	Rechargeable Li-ion Battery Pack (2.56)	Rechargeable Li-ion Battery Pack (5.12)	Rechargeable Li-ion Battery Pack (7.68)
Rated Energy <sup>1</sup> (kWh)	2.56	5.12	7.68
Usable capacity(kWh)	2.3	4.61	6.91
Battery type	LFP(LiFePO4)		
Number of modules	1	2	3
Battery configuration	8S1P	8S2P	8S3P
Cycle life <sup>2</sup>	8000 cycles		
Rated voltage(V)	25.6		
Operating voltage range(V)	21.6~29.2		
Rated power(kW)	3	6	9
Max power	3.6kW 10sec	7.2kW 10sec	10.8kW 10sec
Rated current charge/Discharge(A)	50/100	100/200	150/300
Max continuous charge/Discharge current*(A)	100/120	200/240	300/360
Peak discharge current	100A 10sec	300A 10sec	450A 10sec
OCP(A)	150		
Short circuit current	450A@0.1ms		
Weight(KG)	51.8(±3)	103.6(±3)	155.4(±3)
Dimensions(WHD)(mm)	579*500*175	579*1000*175	579*1500*175
Depth of discharge(DOD)(%)	90		
Run log recording	32Mbyte		
Communication	CAN		
Operating temperature	Charge:0℃<T<55℃/Discharge:-20<T<60℃		
Storage temperature	-20~45C (≤3 Months)/-0~35℃ (≤1 Years)		
Humidity(%)	≤10-85		
Altitude(m)	≤2000		
Ingress protection rating	IP20		
Installation location	Wall mounted		
SOC&ALARM display	7 LED,SOC 5,RUN 1,ALARM 1		
Warranty	10 Years Warranty,10 Years Performance Life		
Country of manufacture	Made in China		

# Technical Specification

Model	B2560 x4	B2560 x5	B2560 x6
Product name(kWh)	Rechargeable Li-ion Battery Pack (10.24)	Rechargeable Li-ion Battery Pack (12.8)	Rechargeable Li-ion Battery Pack (15.36)
Rated Energy <sup>1</sup> (kWh)	10.24	12.8	15.36
Usable capacity(kWh)	9.22	11.53	13.82
Battery type	LFP(LiFePO4)		
Number of modules	4	5	6
Battery configuration	8S4P	8S5P	8S6P
Cycle life <sup>2</sup>	8000 cycles		
Rated voltage(V)	25.6		
Operating voltage range(V)	21.6~29.2		
Rated power(kW)	12	15	18
Max power	14kW 10sec	18kW 10sec	21.6kW 10sec
Rated current charge/Discharge(A)	200/400	250/500	300/600
Max continuous charge/ Discharge current*(A)	400/480	500/600	600/720
Peak discharge current	600A 10sec	750A 10sec	900A 10sec
OCP(A)	150		
Short circuit current	450A@0.1ms		
Weight(KG)	51.8(±3)	103.6(±3)	155.4(±3)
Dimensions(WHD)(mm)	579*500*175	579*1000*175	579*1500*175
Depth of discharge(DOD)(%)	90		
Run log recording	32Mbyte		
Communication	CAN		
Operating temperature	Charge:0°C<T<55°C/Discharge:-20<T<60°C		
Storage temperature	-20~45C (≤3 Months)/-O~35°C (≤1 Years)		
Humidity(%)	≤10-85		
Altitude(m)	≤2000		
Ingress protection rating	IP20		
Installation location	Wall mounted		
SOC&ALARM display	7 LED,SOC 5,RUN 1,ALARM 1		
Warranty	10 Years Warranty,10 Years Performance Life		
Country of manufacture	Made in China		

- 1.Test conditions: 25°C,100% DOD,0.33C charge & disch
- 2.Test conditions: 25°C,90% DOD,0.2C charge & 0.33C discharge.
- 3.Refer to battery warranty letter for conditional application.