

## **ALL-IN-ONE**

10KWH stackable home energy storage system

LiFePO4 51.2V 200Ah







No longer worry about limited floor space usage



## Smart display

The battery usage and status can seen intuitively







## Easy to install

Easy installation plug and play fuse proteetion



Performance parameters  Phase Number Specification  Output Power SkewSKW Optional Rated voltage S1.2V Rated Capacity 200AH Continuous Dicharge Current 100A Peak Discharge Current 110A/10S Standard Chargin Current 50A Fast Chargin Current 50A Fast Chargin Current 100A Number Of Expandable Batteries 2-15 Optional Capacity Range 12.24*7-5.8KWH Cooling Method Self-Cooling Battery Type Uthium Iron Phosphate Use Period 515 Years@25*C Cycle Life 666466 Rated Grid Frequency 50HZ/60HZ Auto Detect Grid Voltage Range 230V(170Vac~280Vac) 22% 110V(90Vac 280Vac) 22% FV maximum Input Power 4200W MPPT Voltage Range 60-115Vdc The whole machine Battery Voltage Range 40.0Vdc~60Vdc 10.0Vdc (under voltage alarm / sover voltage recovery. LCD screen can be set) Warranty Battery (5 years)   Inwerter (1 year) Compatible parameters Inverter size/weight 420*180*50mm/19KG Battery size/weight 420*180*50mm/2KG Stacked Environmental parameters Storage Humidity Range <85K8H	Technical Data	PB02-200AH
Phase Number         Specification           Output Power         3KW-SKW Optional           Rated voltage         51.2V           Rated Capacity         200AH           Continuous Discharge Current         100A           Peak Discharge Current         50A           Standard Charging Current         50A           Fast Charge Current         100A           Number Of Expandable Batteries         2-15           Optional Capacity Range         10.24~76.8KWH           Cooling Method         \$elf-Cooling           Battery Type         Lithium fron Phosphate           Use Period         \$15 Years@25*C           Cycle Life         \$6000 times           Rated Grid Frequency         50H(ZfoH)Z Auto Detect           Grid Voltage Range         230V(170Vac~280Vac)±2* 110V(90Vac~280Vac)±2%           VV maximum Input Power         4200W           MPPT Voltage Range         60-115Vdc           The charging and discharging efficiency of the whole machine         \$92%           Battery Voltage Range         40.0Vdc~60Vdc LoCVdc (under voltage alarm / shutdown voltage / over voltage alarm / shutdown voltage / over voltage alarm / shutdown voltage / over voltage recovery LCD screen can be set)           Warranty         Battery Sormmy 19KG         Shutery Sormmy 19KG           <		
Output Power         3xXW-SKW Optional           Rated voltage         51.2V           Rated Capacity         200AH           Continuous Discharge Current         100A           Peak Discharge Current         110A/10S           Standard Charging Current         50A           Sast Charge Current         100A           Number Of Expandable Batteries         2~15           Optional Capacity Range         10.24~76.8KWH           Cooling Method         \$elf-Cooling           Battery Type         Lithium fron Phosphate           Use Penod         > 15 Years@25°C           Cycle Life         =60000 times           Rated Grid Frequency         50HZ/GoHZ Auto Detect           Grid Voltage Range         230V(170Vac~280Vac) ±2% 10V(90Vac~280Vac) ±2%           PV maximum Input Power         4200W           MPPT Voltage Range         60-115Vdc           The charging and discharging efficiency of the whole machine         592%           Battery Voltage Range         40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm / shutdown voltage / over voltage recovery LCD screen can be set)           Warranty         Battery Screen (shut Parameters)	Performance parameters	
Rated voltage         \$1.2V           Rated Capacity         200MH           Continuous Discharge Current         100A           Peak Discharge Current         110A/10S           Standard Charging Current         50A           Standard Charging Current         100A           Number Of Expandable Batteries         2~15           Optional Capacity Range         10.24~76.8KWH           Cooling Method         Self-Cooling           Battery Type         Uithium Iron Phosphate           Use Period         > 15 Years@25°C           Cycle Life         =6000 times           Rated Grid Frequency         50HZ/60HZ Auto Detect           Grid Voltage Range         230V(170Vac~280Vac) ±2%         110V(90Vac~280Vac)±2%           PV maximum Input Power         4200W           MPPT Voltage Range         60-115 Vvc           The charging and discharging efficiency of the whole machine         592%           Battery Voltage Range         40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm / shutdown voltage / over voltage alarm / Battery (syears)   Inverter (1 year)           Compatible parameters           Battery size/weight         40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm / shutdown voltage / over voltage alarm / shutdown voltage / over voltage alarm / shutdown voltage / over voltage recovery LCD screen can be set)	Phase Number	Specification
Rated Capacity         200AH           Continuous Discharge Current         100A           Peak Discharge Current         110A/10S           Standard Charging Current         50A           Fast Charge Current         100A           Number Of Expandable Batteries         2~15           Optional Capacity Range         10.24~76.8KWH           Cooling Method         Self-Cooling           Battery Type         Uithium Iron Phosphate           Use Period         >15 Years@25°C           Cycle Life         ≈6000 times           Rated Grid Frequency         50HZ/60HZ Auto Detect           Grid Voltage Range         230V(170Vac~280Vac)±2%         110V(90Vac~280Vac)±2%           PV maximum Input Power         4200W           MPPT Voltage Range         60-115Vdc           The charging and discharging efficiency of the whole machine         >92%           Battery Voltage Range         40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / sover voltage recovery LCD screen can be set)           Warranty         Battery Sears)   Inverter (1 year)           Compatible parameters           Battery voltage recovery LCD screen can be set)           Wechanical parameters         CE, UN38.3, MSDS, Shipping, Dangerous Package           Mechanical pa	Output Power	3KW-5KW Optional
Continuous Discharge Current         100A           Peak Discharge Current         110A/10S           Standard Charging Current         50A           Fast Charge Current         100A           Number Of Expandable Batteries         2~15           Optional Capacity Range         10.24~76.8KWH           Cooling Method         Self-Cooling           Battery Type         Ütihium Iron Phosphate           Use Period         > 15 Years@25°C           Cycle Life         ~6000 times           Rated Grid Frequency         50HZ/60HZ Auto Detect           Grid Voltage Range         230V(170Vac~280Vac) ±2%         110V(90Vac~280Vac)±2%           PV maximum Input Power         4200W           MPPT Voltage Range         60-115Vdc           the charging and discharging efficiency of the whole machine         >92%           Battery Voltage Range         40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / shutdown voltage / over voltage recovery LCD screen can be set)           Warranty         Battery Screen Screen can be set)           Wechanical parameters         CE, UN38.3, MSDS, Shipping, Dangerous Package           Mechanical parameters <td>Rated voltage</td> <td>51.2V</td>	Rated voltage	51.2V
Peak Discharge Current 50A Standard Charging Current 50A Fast Charge Current 100A Number Of Expandable Batteries 2*15 Optional Capacity Range 10.24*76.8KWH Cooling Method Self-Cooling Battery Type Lithium Iron Phosphate Use Period \$15 Years@25*C Cycle Life 66000 times Batted Grid Frequency 50HZ/60HZ Auto Detect Grid Voltage Range 230V(170Vac*280Vac)±2% 110V(90Vac-280Vac)±2% PV maximum Input Power 4200W MPPT Voltage Range 60-115Vdc The charging and discharging efficiency of the whole machine Battery Voltage Range 40.0Vdc*60Vdc ± 0.6Vdc (under voltage alarm / shutdown voltage / over voltage alarm / Battery Cyere Ification 50 Period 50 Perio	Rated Capacity	200AH
Standard Charging Current Fast Charge Current Number Of Expandable Batteries Optional Capacity Range Optional Capacity Range Cooling Method Self-Cooling Battery Type Lithium Iron Phosphate Use Period Self Service	Continuous Discharge Current	100A
Fast Charge Current  Number Of Expandable Batteries  Optional Capacity Range  10.24~76.8KWH  Cooling Method  Self-Cooling  Battery Type  Lithium Iron Phosphate  Use Period  SoltZ/60HZ Auto Detect  Grid Voltage Range  SONUZ/60HZ Auto Detect  Grid Voltage Range  SOUX/170Vac~280Vac) ±2%  I10V(90Vac~280Vac)±2%  I10	Peak Discharge Current	110A/10S
Number of Expandable Batteries  Optional Capacity Range  10.24~76.8KWH  Cooling Method  Self-Cooling  Battery Type  Lithium Iron Phosphate  Use Period  > 15 Years @ 25°C  Cycle Life  ≈ 6000 times  Rated Grid Frequency  Grid Voltage Range  230V(170Vac~280Vac) ±2% 10V(90Vac-280Vac)±2%  PV maximum Input Power  MPPT Voltage Range  60-115 ∀dc  The charging and discharging efficiency of the whole machine  Battery Voltage Range  40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm/ shutdown voltage / over voltage alarm/ sover voltage recovery LCD screen can be set)  Warranty  Battery Compatible parameters  Battery certification  CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight  420*180*550mm/19KG  Battery size/weight  420*180*350mm/25KG(single layer  Chassis size/weight  420*180*30mm/25KG(single layer  Environmental parameters	Standard Charging Current	50A
Optional Capacity Range         10.24°76.8KWH           Cooling Method         Self-Cooling           Battery Type         Lithium Iron Phosphate           Use Period         >15 Years@25°C           Cycle Life         <6000 times	Fast Charge Current	100A
Cooling Method       Self-Cooling         Battery Type       Lithium Iron Phosphate         Use Period       >15 Years@25°C         Cycle Life       =6000 times         Rated Grid Frequency       50HZ/60HZ Auto Detect         Grid Voltage Range       230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2%         PV maximum Input Power       4200W         MPPT Voltage Range       60-115Vdc         The charging and discharging efficiency of the whole machine       >92% of the whole machine         Battery Voltage Range       40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / but down voltage / over voltage alarm / but d	Number Of Expandable Batteries	2~15
Battery Type  Lithium Iron Phosphate  Use Period  >15 Years@25°C  Cycle Life =6000 times  Rated Grid Frequency  50HZ/60HZ Auto Detect  Grid Voltage Range 230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2%  PV maximum Input Power  4200W  MPPT Voltage Range 60-115Vdc  The charging and discharging efficiency of the whole machine  Battery Voltage Range 40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / bover voltage Range  Varranty Battery (5 years)   Inverter (1 year)  Compatible parameters  Battery certification CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight 420*180*50mm/19KG  Battery size/weight 420*180*50mm/2KG (single layer  Chassis size/weight 420*180*30mm/2KG  Installation method Stacked  Environmental parameters  Environmental parameters  Storage Humidity Range	Optional Capacity Range	10.24~76.8KWH
Use Period > 15 Years@ 25°C   Cycle Life ≈6000 times   Rated Grid Frequency 50HZ/60HZ Auto Detect   Grid Voltage Range 230V(170Vac~280Vac) ±2% 110V(90Vac~280Vac) ±2%   PV maximum Input Power 4200W   MPPT Voltage Range 60-115 Vd   The charging and discharging efficiency of the whole machine >92%   Battery Voltage Range 40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / shutdown voltage / over voltage / ov	Cooling Method	Self-Cooling
Cycle Life ≈6000 tms   Rated Grid Frequency 50Hz/60Hz Auto Detect   Grid Voltage Range 230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2%   PV maximum Input Power 4200W   MPPT Voltage Range 60-115Vdc   The charging and discharging efficiency of the whole machine >92%   Battery Voltage Range 40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm / shutdown voltage / over voltage alarm / over voltage recovery LCD screen can be set)   Warranty Battery (5 years)   Inverter (1 year)   Compatible parameters Extery certification CE, UN38.3, MSDS, Shipping, Dangerous Package   Mechanical parameters 420*180*50mm/19KG   Battery size/weight 420*180*50mm/19KG   Battery size/weight 420*180*50mm/50KG(single layer   Chassis size/weight 420*180*30mm/2KG   Installation method Stacked   Environmental parameters   Storage Humidity Range \$85%RH	Battery Type	Lithium Iron Phosphate
Rated Grid Frequency  Grid Voltage Range  230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2%  PV maximum Input Power  MPPT Voltage Range  60-115∨dc  The charging and discharging efficiency of the whole machine  Battery Voltage Range  40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / over voltage recovery LCD screen can be set)  Warranty  Compatible parameters  Battery certification  CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight  420*180*550mm/19KG  Battery size/weight  420*180*510mm/50KG(single layer  Chassis size/weight  420*180*30mm/2KG  Installation method  Environmental parameters  Storage Humidity Range	Use Period	> 15 Years@25°C
Grid Voltage Range 230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac) ±2%   PV maximum Input Power 4200W   MPPT Voltage Range 60-115 Vc   The charging and discharging efficiency of the whole machine >92.%   Battery Voltage Range 40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / over voltage recovery LCD screen can be set)   Warranty Battery (5 years)   Inverter (1 year)   Compatible parameters CE, UN38.3, MSDS, Shipping, Dangerous Package   Mechanical parameters 420*180*550 mm/19KG   Battery size/weight 420*180*550 mm/20KG(single layer   Chassis size/weight 420*180*30 mm/2KG   Installation method 5tacket   Environmental parameters   Storage Humidity Range \$85%RH	Cycle Life	≈6000 times
PV maximum Input Power  MPPT Voltage Range 60-115Vdc  The charging and discharging efficiency of the whole machine  Battery Voltage Range 40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / over voltage recovery LCD screen can be set)  Warranty Battery (5 years)   Inverter (1 year)  Compatible parameters  Battery certification CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight 420*180*550mm/19KG  Battery size/weight 420*180*510mm/50KG(single layer  Chassis size/weight 420*180*30mm/2KG  Installation method Stacked  Environmental parameters  Storage Humidity Range	Rated Grid Frequency	50HZ/60HZ Auto Detect
MPPT Voltage Range  The charging and discharging efficiency of the whole machine  Battery Voltage Range  40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / over voltage recovery LCD screen can be set)  Warranty  Battery Compatible parameters  Battery certification  CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight  A20*180*550mm/19KG  Battery size/weight  A20*180*510mm/50KG(single layer  Chassis size/weight  A20*180*30mm/2KG  Installation method  Stacked  Environmental parameters  Storage Humidity Range	Grid Voltage Range	230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2%
The charging and discharging efficiency of the whole machine  Battery Voltage Range  40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / over voltage recovery LCD screen can be set)  Warranty  Battery (5 years)   Inverter (1 year)  Compatible parameters  Battery certification  CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight  420*180*550mm/19KG  Battery size/weight  420*180*510mm/50KG(single layer  Chassis size/weight  420*180*30mm/2KG  Installation method  Stacked  Environmental parameters  Storage Humidity Range	PV maximum Input Power	4200W
of the whole machine  Battery Voltage Range  40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / over voltage recovery LCD screen can be set)  Warranty  Battery (5 years)   Inverter (1 year)  Compatible parameters  Battery certification  CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight  420*180*550mm/19KG  Battery size/weight  420*180*510mm/50KG(single layer  Chassis size/weight  420*180*30mm/2KG  Installation method  Stacked  Environmental parameters  Storage Humidity Range	MPPT Voltage Range	60-115Vdc
of the whole machine  Battery Voltage Range  40.0Vdc^60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / over voltage recovery LCD screen can be set)  Warranty  Battery (5 years)   Inverter (1 year)  Compatible parameters  Battery certification  CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight  420*180*550mm/19KG  Battery size/weight  420*180*3510mm/50KG(single layer  Chassis size/weight  420*180*30mm/2KG  Installation method  Stacked  Environmental parameters  Storage Humidity Range	The charging and discharging efficiency	\$020/
Battery Voltage Range  Over voltage recovery LCD screen can be set)  Warranty  Battery (5 years)   Inverter (1 year)  Compatible parameters  Battery certification  CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight  420*180*550mm/19KG  Battery size/weight  420*180*510mm/50KG(single layer  Chassis size/weight  420*180*30mm/2KG  Installation method  Stacked  Environmental parameters  Storage Humidity Range	of the whole machine	>9270
Compatible parameters  Battery certification CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight 420*180*550mm/19KG  Battery size/weight 420*180*510mm/50KG(single layer  Chassis size/weight 420*180*30mm/2KG  Installation method Stacked  Environmental parameters  Storage Humidity Range	Battery Voltage Range	
Battery certification CE, UN38.3, MSDS, Shipping, Dangerous Package  Mechanical parameters  Inverter size/weight 420*180*550mm/19KG  Battery size/weight 420*180*510mm/50KG(single layer  Chassis size/weight 420*180*30mm/2KG  Installation method Stacked  Environmental parameters  Storage Humidity Range ≤85%RH	Warranty	Battery (5 years)   Inverter (1 year)
Mechanical parameters  Inverter size/weight 420*180*550mm/19KG  Battery size/weight 420*180*510mm/50KG(single layer  Chassis size/weight 420*180*30mm/2KG  Installation method Stacked  Environmental parameters  Storage Humidity Range	Compatible parameters	
Inverter size/weight 420*180*550mm/19KG  Battery size/weight 420*180*510mm/50KG(single layer  Chassis size/weight 420*180*30mm/2KG  Installation method Stacked  Environmental parameters  Storage Humidity Range ≤85%RH	Battery certification	CE, UN38.3, MSDS, Shipping, Dangerous Package
Battery size/weight 420*180*510mm/50KG(single layer  Chassis size/weight 420*180*30mm/2KG  Installation method Stacked  Environmental parameters  Storage Humidity Range ≤85%RH	Mechanical parameters	
Chassis size/weight 420*180*30mm/2KG Installation method Stacked  Environmental parameters  Storage Humidity Range ≤85%RH	Inverter size/weight	420*180*550mm/19KG
Installation method Stacked  Environmental parameters  Storage Humidity Range   \$85%RH\$	Battery size/weight	420*180*510mm/50KG(single layer
Environmental parameters  Storage Humidity Range   \$85\mathrm{RH}\$	Chassis size/weight	420*180*30mm/2KG
Storage Humidity Range ≤85%RH	Installation method	Stacked
	Environmental parameters	
	Storage Humidity Range	≤85%RH
Charge Temperature 0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity	Charge Temperature	0 °C to 45 °C (32F to 113F) @60 $\pm$ 25% Relative Humidity
Discharge Temperature -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity	Discharge Temperature	-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature 0 °C to 40 °C (32F to 104F) @60±25% Relative Humidity	Storage Temperature	0 °C to 40 °C (32F to 104F) @60 $\pm$ 25% Relative Humidity
Waterproof IP21	Waterproof	IP21