



## RB Series-HV

RB 20.48KWh / RB 25.6KWh  
RB 30.72KWh / ... / RB 61.44KWh

### Features

- More Usable Energy: Deep cycle DOD control.
- Easy Installation: Quick plug design, easy wiring.
- Quick Commissioning: One button ON/OFF Automatic ID assignment.
- Perfect Compatibility: Compatible with leading PCS brands.
- Flexible Investment: 5.12 kWh modular design Max 12 modules per stack, 4 stacks in parallel.
- Safe & Reliable: Cobalt Free Lithium Iron Phosphate (LFP) battery has maximum safety and 6000 cycles.

MODEL	RB 5.12-H4	RB 5.12-H4	RB 5.12-H4	RB 5.12-H4	RB 5.12-H4	RB 5.12-H4	RB 5.12-H4	RB 5.12-H4	RB 5.12-H4
<b>PERFORMANCE</b>									
Cell technology	LFP (LiFePO4)								
Number of modules	4	5	6	7	8	9	10	11	12
Battery usable energy [1]	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96 kWh	46.08 kWh	51.2 kWh	56.32 kWh	61.44 kWh
Nominal voltage	204.8 V	256V	307.2V	358.4V	409.6V	460.8V	512V	563.2V	614.4V
Operating voltage	179.2 - 224.64 V	224.0 - 280.80 V	268.8 - 336.96 V	313.6 - 393.12 V	358.4 - 449.28 V	403.2 - 505.44 V	448.0 - 516.60 V	492.8 - 617.76 V	537.6 - 673.92V
Max output current	100 A (1C)								
Charge/Discharge current	50 A / 100 A								
<b>COMMUNICATION</b>									
Display	SOC status indicator, LED indicator								
Communication	CAN / RS485 / RS232								
Functions	Remote upgrade, EMS, Real-time monitoring of local data								
<b>GENERAL SPECIFICATION</b>									
Dimension (W*D*H)	620×630×2220 mm 24.4×24.8×87.4 inch								
Weight	327.5 kg (722.0 lbs)	370.5 kg (816.8 lbs)	413.5 kg (911.6 lbs)	456.5 kg (1006.4 lbs)	499.5 kg (1101.2 lbs)	542.5 kg (1196.0 lbs)	585.5 kg (1290.8 lbs)	628.5 kg (1385.6lbs)	671.5 kg (1480.4 lbs)
Installation	Floor stand								
Operating temperature [2]	-20 to 60°C (-4 to 140°F)								
Environmental humidity	≤ 95%RH (No condensation)								
Protection rating	IP 20								
Cycle life [3]	6000 Cycles or ten (10) years @ 80% DOD / 25 °C / 0.5C, 60% EOL								
Scalability	Max 15 batteries in parallel								
Application	ON Grid / ON Grid + Backup / OFF grid								
Compatible inverters	Refer to compatible inverter list (Compatible with major PCS brands)								
<b>STANDARD COMPLIANCE</b>									
	UN38.3 / IEC62619 / IEC62040-1(More available upon request)								
<b>ORDERING AND DELIVERABLE PART</b>									
Part	RB-5.12-QC-A								
	CB-BCU-M-20.48-QC	CB-BCU-M-25.60-QC	CB-BCU-M-30.72-QC	CB-BCU-M-35.84-QC	CB-BCU-M-40.96-QC	CB-BCU-M-46.08-QC	CB-BCU-M-51.20-QC	CB-BCU-M-56.32-QC	CB-BCU-M-61.44-QC
	Rack: CB-R12 Display: CB-DS-7								

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25 °C.

[2] Charge/discharge derating occurs when the operating temperature from -10 °C to 5 °C & 45v to 55 °C.

[3] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.