

Pandora HV Battery System

RCM-BS-5.0 / BS-7.5 / BS-10.0 / BS-12.5 /
BS-15.0 / BS-17.5 / BS-20.0 / BS-22.5 /
BS-25.0 / BS-27.5 / BS-30.0 / BS-32.5

**IP65
PROTECTION**



- Max. 45A continuous charging and discharging current

High Performance



- Unique battery heating technology, which is capable to work at low temperature

- Stackable modules, Easy and fast for single person installation.
- Remote diagnosis and update via inverter

Easy installation



- Pre-wired communication cables for plug and play

- 5.1-33.2 kWh Wide capacity range

Flexible



- Extendable during lifetime

- Reliable LFP battery cell
- IP65 for both indoor and outdoor installation

Safe



- Cycle life > 6000 times
- Soft start protecting batteries and inverters from a sudden surge

TECHNICAL PARAMETERS

Model	RCM-BS-5.0	RCM-BS-7.5	RCM-BS-10.0	RCM-BS-12.5	RCM-BS-15.0	RCM-BS-17.5	
Technical Specification	 2 modules	 3 modules	 4 modules	 5 modules	 6 modules	 7 modules	
	Nominal Capacity [kWh]	5.1	7.6	10.2	12.8	15.3	17.9
	Usable Energy (90% DOD) ⁽¹⁾ [kWh]	4.6	6.9	9.2	11.5	13.8	16.1
	Nominal voltage [V]	102.4	153.6	204.8	256	307.2	358.4
	Operating voltage range [V]	90-116	135-174	180-232	225-290	270-349	315-406
	Recommend Charge / Discharge Current ⁽³⁾ [A]	30					
	Max. Charge / Discharge Current ^{(2) (3)} [A]	45					
	Nominal Power ⁽³⁾ [kW]	3.0	4.6	6.1	7.6	9.2	10.7
	Max. Power ⁽³⁾ [kW]	4.6	6.9	9.2	11.5	13.8	16.1
	Depth of Discharge [%]	90					
Communication interface	RS485, CAN						
Dimensions (L × W × H) [mm]	510 x 365 x 508	510 x 365 x 645	510 x 365 x 783	510 x 365 x 920	510 x 365 x 1058	510 x 365 x 1195	
Model	RCM-BS-20.0	RCM-BS-22.5	RCM-BS-25.0	RCM-BS-27.5	RCM-BS-30.0	RCM-BS-32.5	
Technical Specification	 8 modules	 9 modules	 10 modules	 11 modules	 12 modules	 13 modules	
	Nominal Capacity [kWh]	20.4	23	25.6	28.1	30.72	33.2
	Usable Energy (90% DOD) [kWh]	18.4	20.7	23.0	25.3	27.6	29.9
	Nominal voltage [V]	409.6	460.8	512	563.2	614.4	665.6
	Operating voltage range [V]	360-465	405-522	450-580	495-636	540-695	585-750
	Recommend Charge / Discharge Current [A]	30					
	Max. Charge / Discharge Current [A]	45					
	Nominal Power [kW]	12.2	13.8	15.3	16.8	18.4	19.9
	Max. Power [kW]	18.4	20.7	23.0	25.3	27.6	29.9
	Depth of Discharge [%]	90					
Communication interface	RS485, CAN						
Dimensions (L × W × H) [mm]	510 x 365 x 1333	510 x 365 x 1470	510 x 365 x 920 + 510 x 365 x 920	510 x 365 x 1058 + 510 x 365 x 920	510 x 365 x 1058 + 510 x 365 x 1058	510 x 365 x 1195 + 510 x 365 x 1058	
Model	RCM-BS-5.0 ~ RCM-BS-32.5						
BMS							
Model	RCM-BM-2.5						
Dimensions (W×H×D) [mm]	510 x 365 x 157						
Weight [kg]	10						
Battery Module							
Battery Type	Li-ion (LFP)						
Battery Module [kWh]	2.5						
Dimensions (L × W × H) [mm]	510 x 365 x 137						
Weight [kg]	28						
Series Box							
Dimensions (L × W × H) [mm]	510 x 365 x 152						
Weight	8.8						
General Specification							
Installation	Floor stand						
Charge / Discharge Temperature Range [°C]	0 to 53 (charge) (Without build-in heating function) -20 to 53 (discharge) -30 to 53 (charge/discharge) (Build-in heating function)						
Max. operating altitude [m]	<3000						
Environment	Outdoor / Indoor (*Please refer to the user manual for installation condition)						
Protection Degree	IP65						
Relative humidity [%]	5-95% RH (non-condensing)						
Standard & Certification							
Certification	IEC62619, IEC60730, IEC62040, CE, UN38.3						

⁽¹⁾ Test conditions: 90% DOD, 0.2C charger & discharger @ +25 °C⁽²⁾ Max. charge / discharge current may be variant with different inverter models⁽³⁾ Recommend / Max. Charging / Discharging Current* / Nominal / Max. Power*: Recommend / Max. charging/discharging current and Nominal / Max. power derating will occur related to Temperature and SOC.