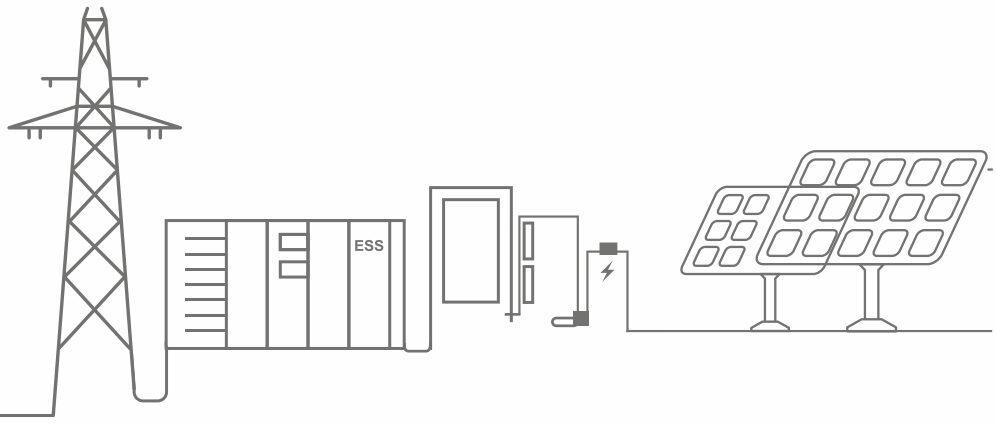
Grace®

Grace BESS

Powering Tomorrow

Energy storage solutions for the world



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Low Voltage Battery Energy Storage

BESS All in One Solutions

- MAX 15PCS PARALLEL
- MODULAR
- COMMUNICATION
- OEM/ODM



MODEL	GB01KVA	GB02KVA
Capacity (VA)	1100	2000
Full Load (W)	800	1600
Battery Type	LFP1280 WH (12.8V100Ah)	LFP2560 WH (25.6V100Ah)
Input Voltage Range Inverter (V)	100-290	
Input Voltage Range UPS (V)	180-270	
Transfer Time UPS Mode	<10MS	
Output Voltage (V)	230	
Waveform	Pure Sine Wave	
Frequency (Hz)	50	
Battery Charging (A)	15	
Weight (Kg) Approx.	24	38
Protections	Overload, Under voltage, Over voltage, Battery Low	
Temperature Range	0°C to 55°C(Recommended ≤50°C)	
Cooling	Natural / forced air cooling, ensure proper ventilation	
Dimension (LxWxH) (Mm)	275 x 230 x 225	300 x 250 x 400

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Low Voltage Battery Energy Storage

BESS Rack & Wall Mount

- MAX 15PCS PARALLEL
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- OEM/ODM



Model Name	GRE48V/51.2V100AH	GB-MD-HV-51230-RM	GB-MD-HV-51314-RM
Specification	48V/51V100AH	51V230AH	51V314AH
Capacity (kWh)	4.8/5.12	11.04/11.78	15.07/16.08
Configuration	16S1P	16S1P	16S1P
BMS Type	Smart	Smart	Smart
Communication	CAN/RS485/Bluetooth	CAN/RS485/Bluetooth	CAN/RS485/Bluetooth
Maximum charging current (A)	50	115	157(0.5C)
Cycle life	>3000 at 85% DOD	>4000 at 85% DOD	>8000 at 85% DOD
Ingress Protection	Ip20	Ip20	Ip20
Dimension (LXWXH)(mm)	490X483X1500	428X270X721	428X270X851
Weight (Kg)	49/51	95/100	125/130
Forms Available In	Wall Mount/ Rack Mount/ Wheel Loaded		

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Lead Acid Replacement

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- SPACE SAVING
- SMART BLUETOOTH
- LONGER LIFE
- HIGHER DISCHARGE CAPACITY



Model Name	GRE12.8V100H	GRE25.6V100H
Specification	12.8V100AH	25.6V100AH
Capacity (kWh)	1.28	2.56
Configuration	1P4S	1P8S
BMS Type	Smart	Smart
Communication	CAN/RS485/Bluetooth	CAN/RS485/Bluetooth
Cycle Life (80% DOD, 25°C, 0.5C/0.5C)	⩾3500	⩾3500
Maximum charging current (A)	50	50
Ingress Protection	IP20	IP20
Dimension (LXWXH) (Mm)	120X180X185	250X230X180
Weight (Kg)	10.5	26.5

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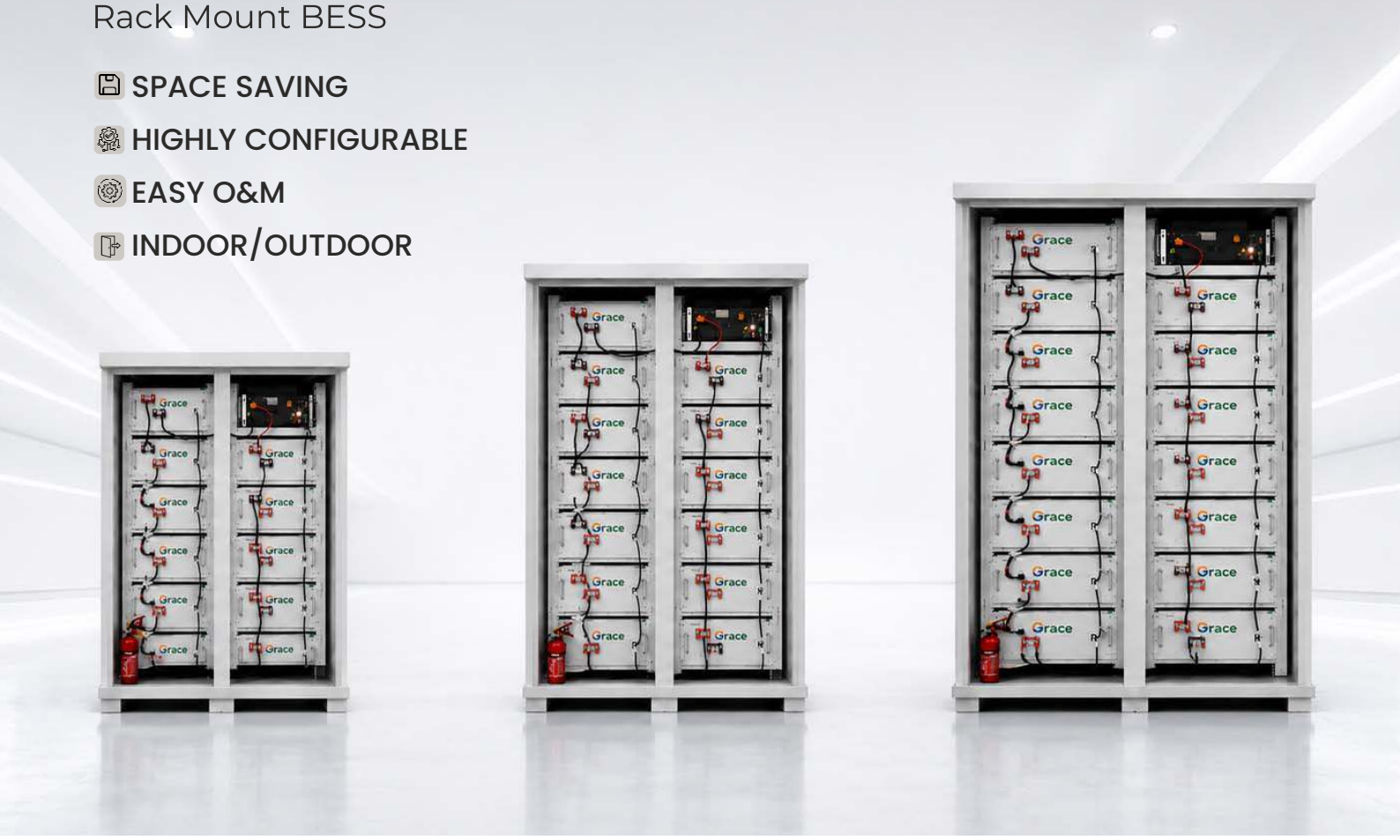
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High Voltage Battery Energy Storage

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Rack Mount BESS

- SPACE SAVING
- HIGHLY CONFIGURABLE
- EASY O&M
- INDOOR/OUTDOOR



Model Name	GB-MD-HV-51100-RM	GB-MD-HV-51230-RM	GB-MD-HV-51314-RM
Specification	51V100AH	51V230AH	51V314AH
Capacity (kWh)	5.12	11.77	16
Configuration	16S1P	16S1P	16S1P
BMS Type	Smart	Smart	Smart
Communication	CAN/RS485	CAN/RS485	CAN/RS485
Maximum charging current (A)	50	115	157(0.5C)
Cycle life	>3000 at 85% DOD	>3000 at 85% DOD	>3000 at 85% DOD
Ingress Protection	Ip65	Ip55	Ip55
Dimension (LXWXH)(mm)	540X470X180	582X500X250	582X500X250
Weight (Kg)	50	100	130
Maximum Unit in Series	17	17	17
In kWh (Maximum)	87	200	314

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High Voltage Battery Energy Storage

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C&I BESS

- SPACE SAVING
- COMMUNICATION
- OEM/ODM
- HIGH VOLTAGE MATCHING



MODEL NAME	GB-CB-HV-418-AIO	GB-CB-HV-261-AIO
Specification	LFP (3.2V314Ah)	LFP (3.2V314Ah)
Configuration	1P52S/52.25kWh	1P52S/52.25kWh
Battery System Configuration	1P416S (8*1P52S)	1P260S (5*1P52S)
Rated Battery Voltage	1331.2V	832V
Battery Voltage Range	1164.8–1518.4V	728V–936V
Nominal Capacity (kWh)	418kWh	261.25kWh
Rated Power	125kW	125kW
Charge and Discharge Rate	≤0.5P	≤0.5P
Number of Cycles	6000	6000
Protection Level	Ip54	Ip54
Heat Management	Liquid cooling	Liquid cooling
Weight (Kg)	3200	2800
Size (LxWxH) mm Approx.	1480x1360x2400	1480x1350x2205
All in one Solutions - in built PCS	YES	YES
PCS Capacity	215 kW	125 kW

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High Voltage Battery Energy Storage

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Utility BESS

- MAX 15PCS PARALLEL
- EASY O&M
- COMMUNICATION
- OEM/ODM



Model Name	GB-CT-HV-3344-CB	GB-CT-HV-5015-CB	GB-CT-HV-6251-CB
Nominal Capacity (kWh)	3344 kWh	5015.96 kWh	6251.3 kWh
Cluster Configuration	1P416S*8	1P416S*13	1P416S*8
Rated Voltage	1331.2V	1331.2V	1331.2V
Rated Power	1600 kW	2500 kW	3125.6 kW
All in one Solutions - inbuilt PCS	No	No	No
Rated Charge/discharge Rate	0.5C	0.5C	0.5C
Cell Specification	3.2V/314Ah	3.2V/314Ah	3.2V/587Ah
Cycle Life	8000 cycles (70% SOH, 0.5C/0.5C, 25°C)		
Cooling Mode	Liquid Cooling		
Fire Extinguisher	FK-5112/Aerosol Fire Suppression System + Water Fire Fighting		
Noise	<80dB		
Dimension (LXWXH) (mm)	2438x6058x2896		
Weight	31T	42T	49T
Ingress Protection	Ip55		
Communication Interface	CAN, Ethernet, Rs485		

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info@gracebess.com

Website

Grace Renewable Energy Ltd.

404-406, Sarthik Square,
Nr. Pakwan Cross Road, Bodakdev,
Ahmedabad - 380054, (Guj.)

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