

LOW VOLTAGE ESS SOLUTIONS

5kwh – 100kwh



PARALLEL



MODULAR



COMMUNICATION



OEM/ODM



Model Name	GRE48V100AH	GRE51.2V100AH
Nominal Voltage (V)	48v	51.2
Capacity (Ah)	100	100
Capacity (kWh)	4.8	5.12
No. of cell in series	15	16
No. of cell in parallel	1	1
Total No. of cell	15	16
Cell Type	Prismatic, 100Ah	Prismatic, 100Ah
Chemistry	LFP	LFP
BMS Type	Smart	Smart
Maximum cut-off voltage (V)	54.75(±1.5)	56 (±1.5)
Minimum cut-off voltage (V)	42(±1.5)	44 (±1.5)
Charging Voltage (V)	54.75	56
Recommended charging current (A)	30	30.0
Maximum charging current (A)	50	50.0
Maximum Continuous discharging current (A)	100	100.0
Cycle Life (80% DOD, 25°C, 0.5C/0.5C)	6000	6000
Cell Over Voltage Protection	3.65	3.65
Cell Over Voltage Release	3.5	3.5
Cell Over Voltage Protection	2.7	2.7
Cell Under Voltage Release	2.8	2.8
Cell under voltage protection	Yes	Yes
Cell over voltage Protection	Yes	Yes
Over current protection	Yes	Yes
Short circuit protection	Yes	Yes
Temperature protection	Yes	Yes
Ingress protection	IP20	IP20
Dimension (LXWXH)	(500X450X180) mm	(500X450X180) mm
Power Connector	2 Pole Connector	2 Pole Connector
Weight (kg)	50kg (Approx.)	52.5 (Approx.)
Communication Connector	CAN/RS485/Bluetooth	CAN/RS485/Bluetooth
MCB	YES	YES
Maintenance Port	YES	YES
Active Balancer	YES	YES