MOBILITY ESS SOLUTIONS

4U
STANDARD

EASY O&M

COMMUNICATION

INTELLIGENT

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Model	GRE051100EV
Nominal Voltage (V)	51.2
Capacity (Ah)	100
No. of Cell in Series	16
No. of Cell in Parallel	1
Total No. of Cell	16
Cell Type	Prismatic
Chemistry	LFP
Electrical	
Maximum cut-off voltage (V)	57.6 (-1.6)
Minimum cut-off voltage (V)	44.8 (+1.6)
Charging Voltage (V)	56.0
Charging Mode	CC-CV
Maximum charging current (A)	40.0
Maximum Continuous discharging current (A)	100.0
Cell over voltage Protection	3.6
Cell over voltage release	3.5
Cell under voltage Protection	2.8
Cell under voltage release	2.9
Cycle Life @0.3C/1C @25°C	2000
DOD Level (%)	90%

Protection	
Cell under voltage protection	Yes
Cell over voltage Protection	Yes
Over current protection	Yes
Short circuit protection	Yes
Temperature protection	Yes
Temperature	
Working Temperature (°C)	0 – 55°C
Storage Temperature (°C)	0 - 45°C
Communications	
Bluetooth For Mobile Application Showing Real Time Data.	
RS485/ CAN Protocol Communication For Telematics.	
Other	
Dimension (mm) LxWxH	(415x285x263)
Weight (Kg)	45 (Approx.)