

RELi<sup>3</sup>ON

**48V** | DATA SHEET

# ELiTE™

BATTERY SERIES

ELiT-4832-GC2

## ENGINEERED for SIMPLICITY

- INTEGRATED BMS
- CANOpen, CZONE® & NMEA 2000®
- REMOTE START
- HIGH RELIABILITY
- EASY INTEGRATION
- ON SITE CONFIGURABLE
- MULTIFUNCTION LED DISPLAY
- EMBEDDED REDUNDANT PROTECTIONS



ELECTRICAL SPECIFICATIONS	
Nominal Voltage	51.2V
Cell Chemistry	Lithium Iron Phosphate (LFP)
Capacity	32 Ah
Nominal Energy	1638 Wh
Output Protection	Internal Electronic Switch
Battery Management Systems	Embedded BMS
Communication Protocol	CANOpen/CZone/N2K compatible

MECHANICAL SPECIFICATIONS	
Physical Dimensions	260 x 180 x 277 mm (10.2 x 7.1 x 10.9 in)
BCI standard	GC2 or GC8
Weight	~15.5 kg (~34.0 lbs)
Ingress Protection Grade	IP67
Power Terminals	M8x15 mm stainless steel stud (LPT)
Communication Connector	M12
Remote Button Connector	Available
Parallel Connection	Up to 24
Series Connection	Not Allowed
Touch Safe Protection	Yes, Terminal protected

DISCHARGE SPECIFICATIONS	
Discharge Current	15A (0.5) Continuous 90A (3C) Maximum 150A (5C) Peak
Short Circuit Self-restoring	350A

COMPLIANCE SPECIFICATIONS	
  	

CHARGE SPECIFICATIONS	
Continuous Charge Current	15A (0.5C) Recommended 32A (1C) Maximum 64A (2C) Peak
Charge Voltage	57V

ENVIRONMENT & STORAGE SPECIFICATIONS	
Operating Temperature	[0 to 55] °C on charge [-20 to 60] °C on discharge
Operating Humidity	[15% to 90%] RH
Storage Temperature	<3 months: [-20 to 45] °C <1 year: [-20 to 25] °C
Storage Humidity	[10% to 90%] RH
Shelf Life <i>(Depends on environmental conditions and SOC)</i>	Up to 20 months with SOC>70% Up to 6 months with SOC>5%

⚠ PROTECTION
Low Voltage, Over Voltage, Max. Discharge Current, Max. Charge Current, Max. Temperature, Min. Temperature

*Data is preliminary. Subject to change.*

