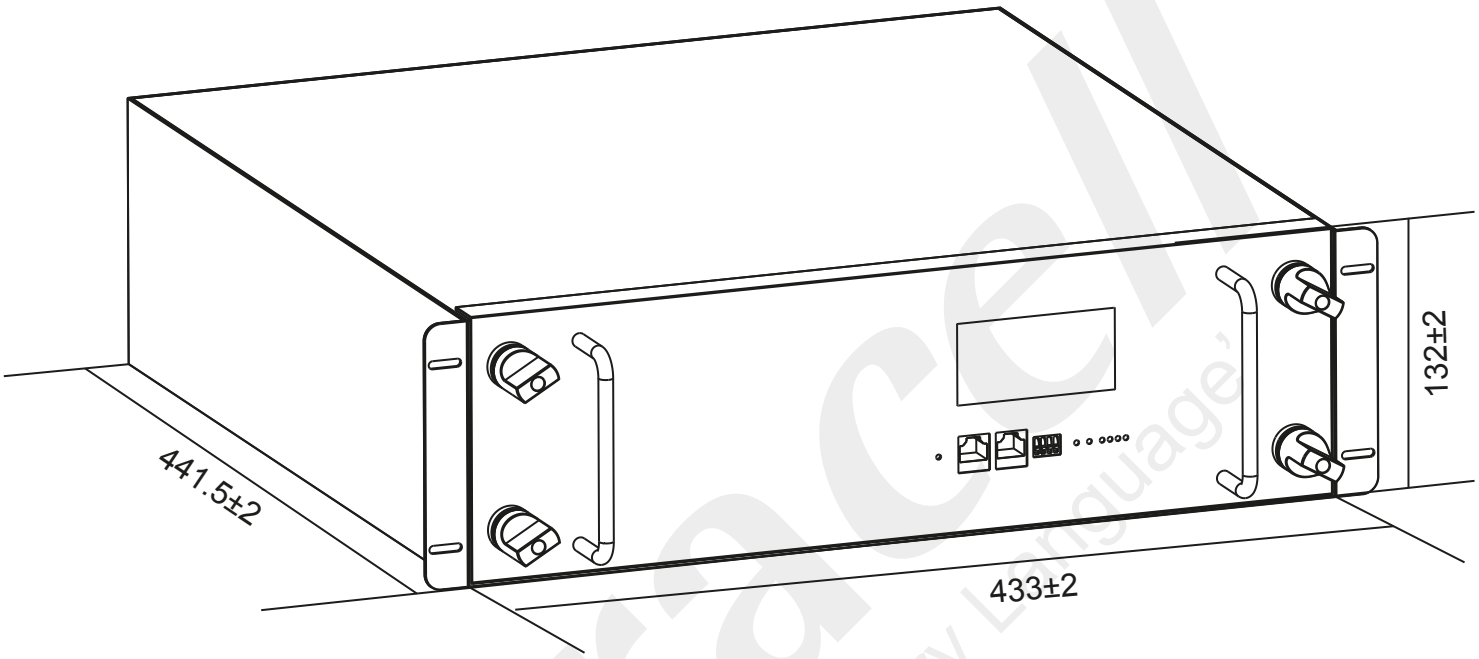
Ultracell®

'Quality in Every Language'

LIT50-48C

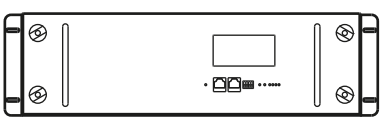
48V 50Ah

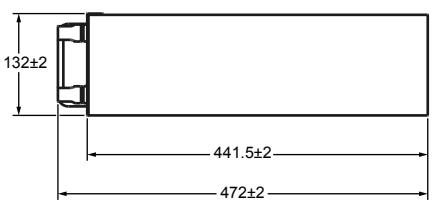
Lithium Series

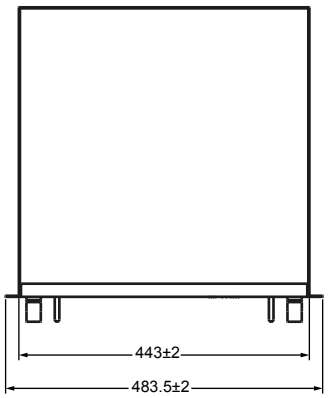




Technical Dimensions (mm)







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TechData

LIT50-48C
48V 50Ah
Lithium Series

MH 29410

CE 1188

ISO9001 CERTIFIED

LIT50-48C (Without Display)



LIT50-48C (With Display)



*Optional LCD Display Screen Available.

Technical Specification

Output	Nominal Voltage Nominal Capacity (5HR)	48V 50 Ah
Rated Capacity	(5HR, 25°C)	50 Ah/10A
Container Material	Container Material Flame Retardant Option (FR) IP Class	Black baked Lacquer Steel Case (rack / cabinet is optional) UL94:VO IP30
Voltage	Discharge Ending Voltage Charging Limited Voltage	40.5V 54V
Current	Max. Charging Current Max. Discharge Current	50A 50A
Connections	Parallel connection is optional (up to 16P) When paralleling, the max charging current is 10A	
Containing Cell	3.2V 50 Ah	
Discharge Characteristics	Operating Temperature	Charging: 0 ~ 45°C Discharging: -20 ~ 60°C Storage: -20 ~ 60°C
Cycle Life	More than 3500 cycles at 100% DOD.	
Design Life	15 Years	
Battery Management System	Complete with BMS unit measuring current, voltage, single cell surface temperature and the ambient temperature of the battery. It offers four remote functions which can communicate with a far-end central control center by computer management	

Self Discharge

Ultracell® LIT batteries may be stored for up to 2 years at 25°C and then a refresh charge is required. For higher temperatures the time intervals will be shorter.

Constant Current Discharge / Constant Power Discharge At 25°C (Amperes & Watts/Cell)

A = Amperes W = Watts

A End of Discharge Voltage 40.5V	60 min	2 hours	3 hours	4 hours	5 hours	10 hours
	47.5	24.0	16.6	12.5	10	5
W	2400	1205	805	605	484	243

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