



## POAPWTLFeLi-48100F-E

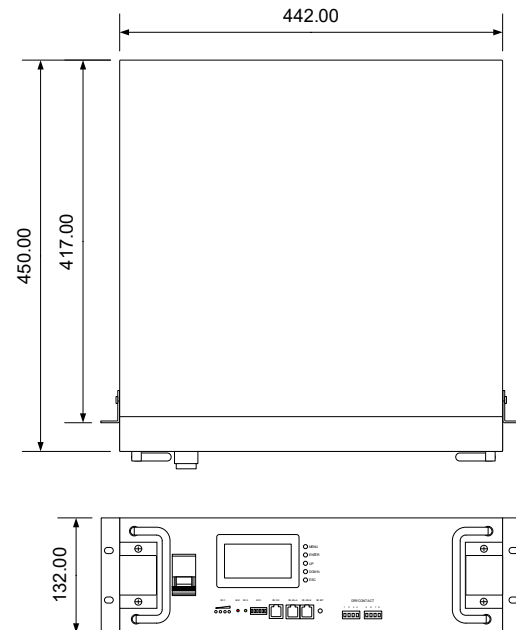
### Specifications

Rated Voltage (Nominal)	51.2V	
Rated Voltage (Peak)	57.6V	
Disconnect Voltage (Typical)	43.2V	
Nominal Capacity	2.70V/cell (C10)	100.0 Ah
Dimensions	Length	450 ±2mm
	Width	442 ±1mm
	Total Height	132.0 ±1mm
Approx. Weight	Approx. 43.0 kg	
Terminal	Shielded Terminal Block	
Container Material	Lacquer Steel Case (UL94-V0)	
Rated Capacity (25°C)	100.0 Ah	(10hr, 10A, 2.70V/cell)
	100.0 Ah	(5hr, 20.0A, 2.70V/cell)
	99.0 Ah	(3hr, 33.0A, 2.70V/cell)
Max Charge/Discharge Current	Standalone	100A
	Parallel	20A charge (recommended) 100A discharge (max)
Internal Resistance (25°C)	N/A	
Operating Temp. Range	Discharge	-15 ~ +60°C
	Charge	-0 ~ +55°C
	Storage	-20 ~ +60°C
Nominal Operating Temp. Range	25 ±5°C	
Cyclic Use charge voltage	Discuss with Eaton or Eaton partner/integrator.	
Standby Use	Discuss with Eaton or Eaton partner/integrator.	
Parallel Connection	Up to 63P.	
Self-Discharge	Eaton PWTLFeLi series batteries may be stored for up to 1 year at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	
Cycle Life	>5000 cycles at 80% DoD >3500 cycles at 100% DoD	
Design Life	>20 years	



Picture for illustration purpose only

### Layout



### Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	1h*	3h	5h	7.5h	10h
43.2Vdc	95.0	33.0	20.0	13.3	10.0

### Constant Power Discharge (Watts) at 25°C (77°F)

F.V/Time	1h*	2h	3h	5h	10h
43.2Vdc	4800	2500	1690	1024	512

Specification subject to change without prior notice  
 \* 1hr discharge rate may not be appropriate for all applications. Discuss with Eaton.

