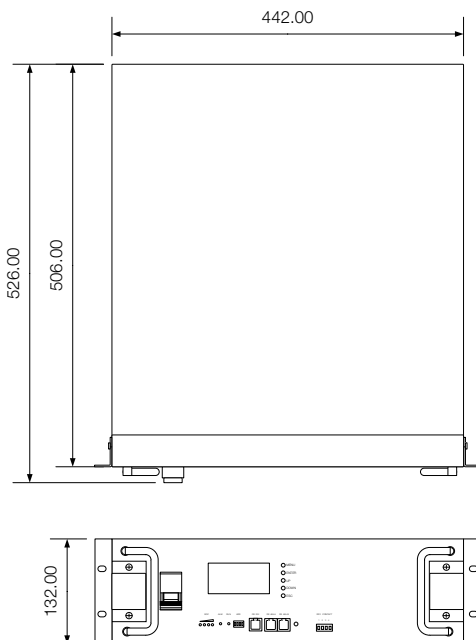


PWTLFeLi-48100F-E

Data Sheet



Layout



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	506 ±2mm
	Width	442 ±1mm
	Total Height	132.0 ±1mm
Approx. Weight	Approx. 46.0 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	100A, (20A recommended)
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	
Cycle Use	Please refer to relevant installation/operation manual	
Standby Use	Please refer to relevant installation/operation manual	
Parallel Connection	Up to 15P. Can be expanded with use of Eaton CBMS.	
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	

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	3h	5h	7.5h	10h
43.2Vdc	4800	1690	1024	680	512

*Specification subject to change without prior notice.

