



Errata

Report:

Sprinkler Protection Guidance for Lithium-Ion Based Energy Storage Systems

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Reference: These errata are to correct the battery description for the “Nickel manganese cobalt oxide (NMC) and lithium manganese oxide (LMO)” battery presented in Table 3-1. The corrected text should read “Lithium nickel oxide (LNO) and lithium manganese oxide (LMO)”.

Table 3-1: ESS equipment specifications.

Specification	LFP	LNO/LMO
Battery Description		
Chemistry	Lithium iron phosphate (LFP)	Lithium nickel oxide (LNO) and lithium manganese oxide (LMO)
Capacity (Ah)	20	32.5
Voltage (VDC)	3.3	3.75
Format	Prismatic	Prismatic
Nominal Dimensions, L×W×H [mm (in.)]	227 × 161 × 7.25 (8.9 × 6.3 × 0.3)	290 × 216 × 7 (11.5 × 8.5 × 0.3)
Module Description		
Capacity (Ah)	120	130
Voltage (VDC)	42.9	60
Power (kWh)	5.2	7.8
Battery Layout (S= series, P= parallel)	13S6P	16S4P
Battery Quantity (#)	78	64
Nominal Dimensions*, L×W×H [mm (in.)]	700 × 270 × 180 (27.5 × 10.75 × 7)	650 × 320 × 240 (25.5 × 12.75 × 9.5)
Mass, kg (lb)	49 (108)	75 (166)
Rack Description		
Capacity (Ah)	120	130
Voltage (VDC)	686 (16 modules)	960 (16 modules)
Rack Layout (i.e., module configuration)	2 wide × 8 tall	2 wide × 8 tall
Enclosure	Open front, solid sides	Open front, solid sides
Nominal Dimensions, W×D×H [mm (in.)]	660 × 770 × 1,760 (26 × 30.25 × 69.25)	760 × 768 × 2,400 (30 × 30.25 × 94.5)

A corresponding correction to the battery type referenced as “NMC” has been made by changing “NMC” to “LNO/LMO” throughout the report.

Also corrected the secondary vertical axis on Figure 5-9 (left) from BTU/min to BTU/s.

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