

Table 130.7(C)(15)(B) Direct Current (dc) Systems

Table 130.7 (C)(15)(B) Arc-Flash Hazard PPE Categories for Direct Current (dc) Systems		
Equipment	Arc Flash PPE Category	Arc Flash Boundary
Storage batteries, dc switchboards, and other dc supply sources 100V > Voltage < 250V Parameters: Voltage: 250V Maximum arc duration and working distance: 2 sec @ 455 mm (18 in.)		
Short-circuit current < 4kA	1	900 mm (3 ft)
4 kA ≤ short-circuit current < 7 kA	2	1.2 m (4 ft)
7 kA ≤ short-circuit current 15 kA	3	1.8 m (6 ft)
Storage batteries, dc switchboards, and other dc supply sources 250V ≤ Voltage ≤ 600 V Parameters: Voltage: 600V Maximum arc duration and working distance: 2 sec @ 455 mm (18 in.)		
Short-circuit current 1.5 kA	1	900 mm (3 ft)
1.5 kA ≤ short-circuit current < 3kA	2	1.2m (4 ft)
3 kA ≤ short-circuit current 7 kA	3	1.8 m (6 ft)
7 kA ≤ short-circuit current < 10 kA	4	2.5 m (8 ft)
<p>Note: Apparel that can be expected to be exposed to electrolyte must meet both of the following conditions:</p> <p>(1) Be evaluated for electrolyte protection in accordance with ASTM F1296, <i>Standard Guide for Evaluating Chemical Protective Clothing</i></p> <p>(2) Be arc-rated in accordance with ASTM F1891, <i>Standard Specification for Arc Rated and Flame Resistant Rainwear</i>, or equivalent</p>		