

Revision #:

Engr. Spec. #	Importance	Source	Specification (description)	Unit of Measure	Marginal Value	Ideal Value	Comments/Status
Enclosure							
ES1		CN1,CN9	Protection from gym environment	NEMA Rating	4	4X	Enclosure selected has NEMA rating 4X
ES2		CN4	Ease of access for repair	# operations to open	3	1	Current Status: 1 operation, 1 tool required
ES3				# tools required to open	1	0	
ES4		CN2,CN3,CN6	Mounting area on front face	in^2	84	112	Current Status: Front face is approx 112.5 in^2
ES5		CN1	Depth available for mounting electrical components	in	3	5	Current Status: Enclosure has 5.1" depth, 4.5" depth with back panel
ES6		CN5, CN12	Adjustability for different users	# Degrees of Freedom	2	3	Current Status: Mounting plate can be raised with stand adjustment, has tilting ability, rotation not required by customer
ES7		CN10	Ease of adjustability (tilting, for height see ES)	# operations required	3	1	Current Status: 1 operation, 0 tools
ES8				# tools required	1	0	
Stand							
ES9		CN10	Height range	ft		2.5-3.5	Current Status: Post height ranges from about 2.75ft-5ft
ES10		CN13	Supported weight	lbs	35	50	Current Status: Mount plate has 45lb capacity, posts have much greater capacity
ES11		CN10,CN12	Ease of height adjustment	# operations required			Design in discussion at review
ES12				# tools required	1	0	
ES13		CN11	Stability	# posts		2	Currently 2 posts
Functionality							
ES14		CN8	Voltage access for non-ipod users	# input jacks for other chargers		2	Aside from permanent Ipod charging, currently offers 1 USB and 1 USB Mini to tap into voltage

Engr. Spec. #: enables cross-referencing (traceability) and allows mapping to lower level specs within separate documents

Source: Customer need #, regulatory standard (eg. EN 60601), and/or "implied" (must exist but doesn't have an associated customer need)

Description: quantitative, measureable, testable details

*This table can be expanded to document test results