

Level 1 Category : Power Generation and Distribution Machinery and Accessories : UNSPSC CODE : 26

Level 2 Category : Batteries and generators and kinetic power transmission : UNSPSC CODE : 2611

Level 3 Category : batteries cells and accessories : UNSPSC CODE : 261117

Level 4 Category : Lithium-ion Rechargeble Batteries - 60 Volt (For E-Rickshaws) : UNSPSC CODE : 26111707

Sl. No.	Parameter	Field Type	Field Category	Value 1	Value 2	Value 3	Value 4
1	GROUP:GENERIC						
2	Lithium ion cells generally conforming to	Enumerable	Mandatory	6047:2018 latest			
3	Minimum Voltage of battery pack (In V)	Enumerable	Golden,Filter, Mandatory	60			
4	Operating Voltage/Voltage range	Enumerable	Golden,Filter, Mandatory	44.8 V to 69.4 V (for 60 Volt battery)			
5	Battery Capacity at C5 rate (In Ah)	Enumerable	Golden,Filter, Mandatory	50, 60, 75, 80, 85, 100. 110			

6	Battery capacity at C5 rate (In Ah)/Rated energy (Nominal)	Enumerable	Golden,Filter, Mandatory	50 Ah/2.96kWh,50Ah/3.04 kWh, 60 Ah/3.55kWh, 60Ah/3.65kWh, 75Ah/4.44kWh, 75Ah/4.56kWh, 80Ah/4.73kWh, 80Ah/4.86kWh, 85 Ah/5.03 kWh, 85 Ah/5.17kWh, 100 Ah/5.92 kWh, 100 Ah/ 6.08kWh, 110 Ah/6.51kWh, 110 Ah/ 6.68kWh			
7	Constant Current	Enumerable	Golden,Filter, Mandatory	50 A			
8	Peak Current	Enumerable	Golden,Filter, Mandatory	100 A			
9	Continuous Charging current	Enumerable	Golden,Filter, Mandatory	20 A			
10	IP Class (as per IS:...)	Enumerable	Mandatory	IP 65			
11	Battery charger	Enumerable	Golden,Filter, Mandatory	Yes			
12	Battery charger rating (in Amps)	Enumerable	Golden,Filter, Mandatory	20 A	30 A		
13	Operating Temperature	Enumerable	Golden,Filter, Mandatory	0 Deg C to 60 Deg C			
14	Communication Interface with driver CD / Software	Enumerable	Mandatory	RS 485			

15	Dimension for battery (Length in mm x Width in mm x Height in mm )-Must Declare	Text	Mandatory				
16	Battery pack material	Enumerable	Mandatory	Mild steel			
17	Charger warranty	Enumerable	Golden,Filter, Mandatory	1 Year	2 Years		
18	Battery Warranty	Enumerable	Golden,Filter, Mandatory	2 Years			
19	GROUP: PROTECTION						
20	Battery Management System	Enumerable	Mandatory	Yes			
21	Over voltage protection	Enumerable	Mandatory	Yes			
22	Over Temperature protection	Enumerable	Mandatory	Yes			
23	under Voltage protection	Enumerable	Mandatory	Yes			
24	Over Current protection	Enumerable	Mandatory	Yes			

25	Short-circuit protection	Enumerable	Mandatory	Yes			
26	Reverse Polarity protection	Enumerable	Mandatory	Yes			
27	Deep Discharge protection	Enumerable	Mandatory	Yes			
28	GROUP: CERTIFICATIONS						
29	Product shall comply with ARAI: AIS:048 latest (Test reports shall submit to buyer/consignee on demand)	Enumerable	Mandatory	Yes			

30	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory to showing conformity of the Specification	Enumerable	Mandatory	Yes			
31	Test report Number	Text	Mandatory				
32	Report date	Text	Mandatory				
33	Name and address of Lab	Text	Mandatory				
34	All the test reports and certificates shall furnish to the buyer/consignee on demand	Enumerable	Mandatory	Yes			
35	Cells shall comply with BIS CRS as per IS:16046	Enumerable	Mandatory	Yes			