






Happy Bike E-Bike Conversion

Aspect	Details
<p>Images</p>	   <p>Example image: The type of bicycle that conversions are fitted to will vary.</p>
<p>PSD Number</p>	<p>2404-0123</p>
<p>Product Type</p>	<p>Machinery – E-Bike Conversion</p>
<p>Product Identifiers</p>	<p>Supplier: Happy Bike Conversion installations affected: Any installations by Happy Bike since October 2022 Charger model: LW-084/200/420/002</p>
<p>Product Description</p>	<p>Bespoke E-Bike Conversions fitted to customer's own bicycle. Source of the components vary. Battery assembled by Happy Bike.</p>
<p>Country of Origin</p>	<p>United Kingdom</p>
<p>Counterfeit</p>	<p>No</p>
<p>Risk Level</p>	<p>Serious</p>
<p>Risk Type</p>	<p>Fire/Explosion</p>
<p>Risk Description</p>	<p>The Class III battery supplied with the conversion featured a poor internal build quality. Testing identified poor quality connections, with wires soldered directly to the PCBs/components with no form of secondary fixing. The battery is likely to endure vibration and shock in its normal environment and could present the hazards of fire/explosion under certain fault conditions. The fuse in the battery housing was also not connected and therefore could not prevent damage to components under fault conditions.</p> <p>The conversion also does not meet the requirements of the standard for legal use on UK roads as it had a power rating double the limit of 250W, and could reach speeds greater than the maximum unassisted speed permitted. There were no instructions provided and some required documentation and markings were not present.</p> <p>The product does not meet the requirements of the Supply of Machinery (Safety) Regulations 2008.</p>



Corrective Measures	The affected conversion kits have been recalled from end users by Happy Bike Malvern. Customers should immediately stop using the bicycle with the E-bike conversion fitted, not charge the battery, and contact Happy Bike on mike@happybike.co.uk , to arrange for a safety check to be conducted, and for any necessary corrective action to be carried out.
Online Marketplace	N/A
Notifier	Local Authority Trading Standards