

**SPECIFICATIONS:**

Working Voltage	220V 50/60Hz, Single Phase (110V AC is available at extra cost)
Glove Box Chamber & Airlock Chamber 	<ul style="list-style-type: none"> <li>Case Material: Made of 304 stainless steel sheet</li> <li>Dimensions: 1230 mm(L) x 740mm(W) x 900mm(H)</li> <li>Total Height with frame: 1860 mm</li> <li>Max. Positive Pressure: 810 Torr (flowing gas only, not designed for vacuum)</li> <li>Airlock Chamber with Airlift                             <ul style="list-style-type: none"> <li>Dimensions: 360mm(ID) x 435mm(L)</li> <li>Max. Vacuum Level: 0.05 Torr</li> </ul> </li> <li>Two 175mm diameter glove port with a pair of 6" Butady® gloves</li> <li><b>One extendable Sample Shelf is built on top inside glovebox to make operation at easy</b></li> <li><b>LED light is built in outside glove box</b></li> </ul>
Gloves 	<ul style="list-style-type: none"> <li>Glove Port size: 190mm(Dia.)</li> <li>6" Butady® Gloves included (with increased stretching, bending ability and tear strength, and offer strong resistance to aromatics, hydrocarbons, solvents, fats, and acids)</li> <li>Clamps and sealing flanges included</li> </ul>
Transparent Front Panel	<ul style="list-style-type: none"> <li>Front Panel made of transparent plastic</li> <li>Dimension: 1200 mm(L) x 700mm(W)</li> <li>Removable for putting in devices</li> </ul>
Purification System	<ul style="list-style-type: none"> <li>Automatic moisture remove to &lt; 2 ppm (Li-Ion battery assembling requires &lt;11 ppm moisture)</li> <li>Precision Humidity Analyzer with KF25 Flange (0-999 ppm) is installed on the Purification System with accuracy +/-0.1 ppm</li> <li>Large capacity moisture filter built in bottom of mobile cart, which can soak moisture up to 1.5kg</li> <li>Regeneration Temperature Controller is built in for automatically regenerating filter</li> <li>Automatic pressure control system is built in to keep pressure at constant level</li> <li>6" color PLC touch panel is included which can set and display the humidity and pressure level. (Please click the first picture below for details)</li> <li>The control panel is removable, which can be placed anywhere for easy operation</li> </ul>
Purification Pipeline	304 stainless steel, KF40 port
Vacuum pump 	<ul style="list-style-type: none"> <li>Heavy duty vacuum pump with filter is included for faster vacuum and removing moisture</li> <li>Stainless steel vacuum bellow and valve are included</li> </ul>
Gasses Requirement	<ul style="list-style-type: none"> <li>Working gasses: Atmospheric Gases, N2, Argon</li> <li>Regeneration Gas: 95% N2 + 5%H2</li> <li>One float meter built on the front of mobile cart for accurate gas filling</li> </ul>
Leakage Rate in Glove Box Chamber	< 3 Torr/hour
Power Extension 	<ul style="list-style-type: none"> <li>One extension socket (Max power 1500W) is installed in the glove box main chamber</li> <li>The power cord was included for immediate use. (For use with 208~240V power supply, no plug will be included)</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>One-year limited warranty with lifetime support</li> <li>Rusting and damage due to improper storage condition or maintenance are not covered by warranty</li> <li>Gloves are consumable items and are not covered under warranty</li> </ul>
Application Notes & Warnings	<ul style="list-style-type: none"> <li>The interconnections between the glove box chamber and the gas purification system must be unimpeded during the purification cycles.</li> <li>The use of corrosive gasses is prohibited as they will damage the water sensors.</li> <li>Regularly perform regeneration to maintain the optimum purification efficiency.</li> <li>The H2O removing rate is largely dependent on the type of purging gas used. For faster chamber purging process, Nitrogen is preferred over Argon due to its lighter mass.</li> <li>Corrosive liquid (such as LiPF6 electrolyte) must be remain sealed in a container inside the glove box. Otherwise, liquid vapor may condense and corrode the steel chamber and purification pipeline.</li> </ul>
Dimensions for Glove Box 	Glovebox: G1230mm L x 2300mm W x 1860mm H (click picture below to see detail size)