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Ideal Dry Room Conditions for Li-ion Battery Manufacturing

- Moisture level in Lithium-ion battery processing areas should have less than (-) 35 °C dew-point and/or moisture content of 0.14 grams per kg of dry air.
- Room temperature should be maintained at recommended levels, around 25 °C, with tolerance of +/-2 °C along with dew points in the range of (-) 35 °C to (-) 45 °C (0.14 to 0.04g/kg).
- The air change rate in the production room should be more than 50 air changes per hour with maintenance of minimum fresh air introduction for positive room pressure and ventilation for workers.

The DryPurge® Advantage
...the Cutting Edge Technology

- Bry-Air’s DryPurge® (DP) patented technology for dehumidifiers ensures optimum performance of dehumidifiers, even at the ultra low dew point, up to (-) 90 °C.
- Rotor made up of pH neutral and chemical resistant material. Inertness to gases such as Hydrogen Flouride (HF) generated during the production of Lithium-ion batteries.

Some of our Esteemed Customers:

- Schlumberger
- Mercedes
- BYD
- Wuhan Design Institute
- Beijing University
- Guizhou Mei Ling Li Batt
- Bamo Battery
- Pulead Technology Industry Company Ltd.
- Indian Institute of Technology, Kharagpur
- Defence Research & Development Laboratory
- Naval Science and Technological Laboratory
- E-One Moli Energy

Bry-Air...Your Dehumidification Partner

- Proven success in meeting the stringent requirement of dew point lower than (-) 75 °C, required by the most updated and largest lithium battery plant.
- Highest dry process airflow in CMH/kW
- More than 100 units installed and commissioned in China, the World's hub for Lithium-ion batteries.

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