



$$P_{Total}^{Ala} = P_{hydro}^{Ala} \cdot P_{charge}^{Ala} \cdot P_{MW}^{Ala}$$

$$P_{MW}^{Ala} = f(x_{MW} | \alpha_{MW}, V_{MW}) = \frac{1}{\sqrt{2\pi V_{MW}}} e^{-\frac{(x_{MW}^{Ala} - \alpha_{MW})^2}{2V_{MW}}}$$