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We give elliptic generalizations of the Stirling numbers of the first and second kind which extend the q -Stirling numbers of Carlitz by two extra independent parameters a, b and a nome p . Our Stirling numbers arise as coefficients connecting powers of elliptic numbers with elliptic shifted factorials, and happen to satisfy nice recursions. They appear to be different from the multivariate elliptic Stirling numbers studied by Hasan Coskun. (Received September 23, 2014)