Which graded algebras are projectivizations?

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**Question** Is every graded algebra the projectivization of a group?

Is every graded Lie algebra the projectivization of a quandle?

What if these questions are asked about quadratic algebras/Lie algebras?

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Given a connected graded algebra $A$, let $G$ be the group of units of $A$. What is $\text{proj } G$?

The group completion of $A$. 