



SPM Power Factor Display During Testing

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QUESTION

Why is the SPM power factor display sign not consistent for leading and lagging power factors (PF) during testing?

ANSWER

The SPM displays a negative sign for what it considers to be a lagging power factor. The power factor prior to field application (induction starting) is considered to be lagging and the SPM associate this phase relation with a negative (–) sign. This feature overcomes incorrect connection issues. During normal service conditions, the SPM always displays the correct power factor. During testing it might cause some confusion.