

## **Aulacomnaceae**

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*Plants* small to rather large, deep green to brownish green or brown, in dense tufts. *Stems* erect, with dense rhizoids at base, sometimes with innovated branches below perichaetia or branched from old stems; a central strand present. *Leaves* in multiple rows, upper leaves larger, concave, ovate-lanceolate or narrowly lanceolate; margins not bordered, serrate above; costae single, strong, usually ending below the apex, in cross section with dorsal and ventral stereid bands; leaf cells small, rounded-hexagonal, thick-walled, pluripapillose. *Dioicous* or autoicous. *Gametangia* terminal; perigonia bud-like or disk-like; perichaetial leaves dimorphic. *Setae* solitary, elongate, erect; capsules inclined, rarely erect, elongate-ovoid or cylindrical; neck shortly developed; opercula conic at base, obliquely long-rostrate; annuli persistent; exothecial cells quadrate or rectangular, longitudinally thickened; stomata present; peristome double; exostome teeth 16, lanceolate, densely papillose; endostome segments narrowly lanceolate, hyaline; basal membrane low to rather high; cilia weakly