

Covered advantages of shingled modules

Compared with standard modules, shingled modules have more advantages in terms of output power performance under shadow conditions.

Many customers have considered that the standard module will always suffer a large loss power generation when the module are partially covered and Hyundai high efficiency shingled modules will effectively solve this problem under the recommended installation way.

To avoid that the diodes have to work when just one cell strings is covered in standard modules, shingled modules combine parallel connection and series connection, and meanwhile it uses two diodes design. When one or more than one cell strings are blocked, other cell strings of the same parallel circuit can still work normally. Shingled modules can obtain more power generation benefits. Especially in the case of vertical installation of modules, in the morning or evening, shingled modules still have 87% of power generation contrary to standard modules totally stop work whose diodes start to cut off circuit.

Covered Problem	Power Generation
One String	21%
Two String	6%
Three String	23%
Four String	13%
Five String	46%

