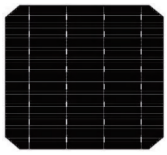
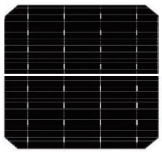
ARES POWER

Half-cut

Current density is reduced by 1/2
Internal power loss reduced to 1/4 of conventional modules
Rated output power increased by 5~10W



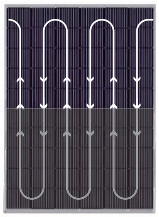
Full-cell:P=I^2R



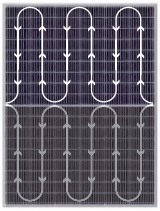
Half-cell:P=(1/2)I^2R

Shading, not compromising energy

Up-down symmetrical parallel module design
Effectively reduce current mismatch due to shading
As shown in the shading instance below, the power output is raised from 0 to 50%.



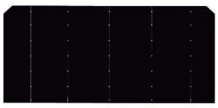
Full-cell: 0 power output



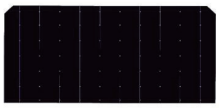
Half-cell: 50% power output

Multiple Busbars (MBB)

Densely distributed grid lines, uniform load, multi-busbars design
Output power increased by more than 5W



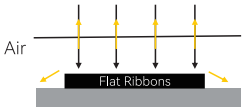
Conventional cell



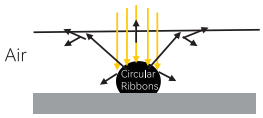
Multi-busbar cell

New Welding Wire

Round welding wire, reduced shading areas.
The incident light is reflected multiple times, increasing power by 1~2W



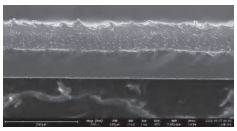
Conventional cell



Multi-busbar cell

Lossless laser Cutting

Lossless laser cutting technology, no mechanical damage
Smooth cutting surface without burrs
Low cell cracking risks, micro-cracking is reduced by more than 50%



Regular cutting – cross-section

Lossless laser cutting – cross-section

High-Density Packaging Technology

Adopt advanced high-density packaging technology
Ensure the perfect balance of efficiency and reliability
Module efficiency increased by more than 0.15%

Regular spacing

Small pitch: high density

12 12-years Warranty for Materials

30 up to 30-years Warranty for Linear Power Output

ISO9001: 2015/Quality Management System
ISO14001: 2015/Environment Management System
ISO45001: 2018/Occupational Health and Safety Management System