

# Heard and McDonald Islands gem solar solutions

Where are the Heard and McDonald Islands located?

The Heard and McDonald Islands are remote subantarctic volcanic features located in the Southern Ocean, halfway between Australia and South Africa. They are approximately 1700 km from the Antarctic continent and 4000 km southwest of mainland Australia (Australian Government 2016 ). Heard Island is 43 km long and 21 km wide.

How big is Heard Island & McDonald Islands?

The group's overall land area is 372 km<sup>2</sup> (144 sq mi) and it has 101.9 km (63 mi) of coastline. Discovered in the mid-19th century, the islands lie on the Kerguelen Plateau in the Indian Ocean and have been an Australian territory since 1947. Heard Island and McDonald Islands contain Australia's only two active volcanoes.

Is DONG Energy partnering with Schneider Electric?

That's the goal of French grid giant Schneider Electric and Danish utility Dong Energy. The two announced this week that they've launched a commercial partnership to combine Dong's Power Hub virtual power plant technology and Schneider's distribution grid and building-side system management expertise into a unified system.

Why is Heard Island a low flora?

Heard Island supports a relatively low number of terrestrial invertebrate species compared to other Southern Ocean islands, in parallel with the low species richness in the flora—that is, the island's isolation and limited ice-free area.

Can solar power reduce island dependency on oil & diesel-fired generators?

But solar power is also a key renewable resource that can reduce islands' dependency on oil and diesel-fired generators. On the demand side, the partners are looking at resources such as backup generators or combined heat and power (CHP) systems, to mitigate local grid instabilities, he said.

Are there spiders on Heard Island?

The arthropods of Heard Island are comparatively well known with 54 species of mite and tick, one spider and eight springtails recorded. A study over summer at Atlas Cove in 1987/88 showed overall densities of up to 60 000 individual springtails per square metre in soil under stands of *Pringlea antiscorbutica*.

Heard Island and McDonald Islands are located in the Southern Ocean, approximately 1,700 km from the Antarctic continent and 4,100 km south-west of Perth. As the only volcanically active subantarctic islands they "open a window into the earth", thus providing the opportunity to observe ongoing geomorphic

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The Heard and McDonald Islands are interesting from a historical perspective because they are one of the few places in the world where two claim lines intersect. There is an ongoing dispute between Argentina and Chile over who has sovereignty over these islands. Most of the people who live on these islands are employed by the Australian ...

???????????? (????????????????????? Heard Island and McDonald Islands ?? HIMI) ????????????????? 1947???????????????? 1997????????????????(????)????????

Due to the extreme isolation of Heard Island and McDonald Islands (HIMI), together with the persistently severe weather and sea conditions, human activities in the region have been, and remain, limited. ... Atlas Cove and other minor camps distributed across the island. Power is supplied by small diesel generators, solar cells and wind ...

??? (Heard Island), ??????, ????????????? 3800??, ?????? 2000??, ????????? 40??, ????????????? 1953?, ????????????????? 1997???????????????????????????????? ...

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Commonwealth of Australia since 1953. The Heard Island and McDonald Islands Act 1953 provides the legislative basis for the Territory's administration. Administration of the Territory is the responsibility of the Australian Government department that administers the Heard Island and McDonald Islands Act 1953. This responsibility has ...

Die Heard und McDonald Inseln sind eine Inselgruppe im S&#252;den des Indischen Ozeans, etwa 3800 km von Australischen Festland entfernt. Der Mikrostaat hat eine Gesamtfl&#228;che von nur 372 km&#178; und eine K&#252;stenl&#228;nge von insgesamt 102 km. Diese Landmasse entspricht ungef&#228;hr 1,1 Mal der Gr&#246;&#223;e Bremens.

Heard Island and McDonald Islands are uninhabited, barren, Subantarctic islands in the Southern Ocean, far due south of India and roughly 400 km southeast of Kerguelen of the French Southern and Antarctic Lands. The islands are administered by Australia and listed as a UNESCO World Heritage site. Although it's administered by Australia, the islands are approximately 4,000 ...

Named after individual people: Captain John Heard, American sealer who sighted the island on 25 November 1853 & Captain William McDonald, who discovered the McDonald Islands close to Heard Island six weeks later, on 4 January 1854

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Mawson Peak on Heard Island is the highest Australian mountain (at 2,745 meters, it is taller than Mt. Kosciuszko in Australia proper), and one of only two active volcanoes located in Australian territory, the other being McDonald Island; in 1992, McDonald Island broke its dormancy and began erupting; it has erupted several times since, most ...

Big Ben has erupted several times over the past two decades. McDonald Island lies 43.5 kilometres due west of Heard Island, and is the major island in the McDonald Islands group. It is a mere 186 metres high and it too has an active volcano. The McDonald Islands are so volcanically active they have doubled in area since 1980.

Australia's Heard and McDonald Islands are among the most remote places on Earth, these globally significant, wild, volcanic islands lie 4,000km south-west of Perth down near Antarctica. Every 10-years the Australian government reviews the Heard and McDonald Islands Marine Park.

The first sighting of the larger island, Heard, is attributed to the British captain Peter Kemp in 1833, but also to the American captain John J. Heard, in 1853. Much smaller McDonald island, 27 mi (43.5 km) to the west, was spotted a year later by British captain William McDonald.

The Heard & McDonald Islands site in Australia was inscribed on the World Heritage List in 1997. As the only volcanically active sub-Antarctic islands, Heard and McDonald provide the ...

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