CLAIMS

1. A disc power generator, comprising a first housing (110) and a second housing (120); wherein the said first housing (110) and the said second housing (120) are locked and fixed together to enclose a receiving space; wherein the middle part of the said first housing (110) and the said second housing (120) have shaft holes (111 and 121) arranged respectively in the middle part of the first housing (110) and the second housing (120); wherein the said disc power generator further comprises a first magnet set (130) and a second magnet set (131) fixedly provided in the receiving space; wherein the said first magnet set (130) comprises multiple platelike first magnets (132a) arranged at equal intervals in a circumferential form on a same plane, and the said second magnet set (131) comprises multiple platelike second magnets (132b) arranged at equal intervals in a circumferential form on a same plane; wherein the said first magnet set (130) is located on a plane parallel to the plane where the said second magnet set (131) is located, and the two magnetic poles of any one of the said first magnets (132a) are arranged in a direction perpendicular to the plane where the said first magnet set (130) is located, and the two magnetic poles of any one of the said second magnets (132b) are arranged in a direction perpendicular to the plane where the said second magnet set (131) is located, and a unidirectional magnetic field is formed between the said first magnet set (130) and the said second magnet set (131); wherein between the said first magnet set (130) and the said second magnet set (131) there is a disc-shaped armature (140) arranged parallel to the plane where the said first magnet set (130) is located; wherein the said armature (140) comprises a disc-shaped board (141) parallel to the plane where the said first magnet set (130) is located; wherein at the middle part of the said board (141) there is a rotating shaft (150) that is fixedly axially mounted; wherein both ends of the said rotating shaft (150) respectively rotatably run in the said shaft holes (111 and 121); wherein on the said board (141), multiple coils (160) are fixedly mounted at the center of the said board (141) between the said first magnet set (130) and the said second magnet set (131), and are arranged at equal intervals in a circumferential form on a same plane; wherein the said coils (160) are in a spiral form and are on the same plane parallel to the said board (141); wherein the said multiple coils (160) are electrically connected, and through rotation of the said armature (140) generate unidirectional alternating current.

2. The disc power generator of Claim 1, wherein on the inner wall of the said first housing (110) and the said second housing (120) there is a first fixed groove (112) arranged corresponding to the said first magnet set (130) and a second fixed groove (122) arranged corresponding to the said second magnet set (131); wherein the said multiple first magnets (132a) are fixedly inserted in the said first fixed groove (112) to form the said first magnet set (130); wherein the said multiple second magnets (132b)