17. The energy-saving brushless motor-kinetic generator of claim 11, wherein the fourth rotor of the second electric generator set has two sides opposite with each other, and pole number of the permanent magnets disposed on one side near the circular disc body of the primary stator ferrite core is lower than pole number of the permanent magnets disposed on the other side.

18. The energy-saving brushless motor-kinetic generator of claim 11, wherein the primary turn number of the high counter-electromotive force winding set disposed on the circular disc body of the primary stator ferrite core is lower than the second turn number of the high counter-electromotive force winding set disposed on the circular disc body of the second stator ferrite core.

19. The energy-saving brushless motor-kinetic generator of claim 11, wherein pole number of the permanent magnets disposed on the ninth side of the third rotor of the second electric generator set is the same as pole number of the permanent magnets disposed on one side of the fourth rotor near the circular disc body of the second stator ferrite core.

20. The energy-saving brushless motor-kinetic generator of claim 11, wherein the primary turn number of the high counter-electromotive force winding set of the primary stator ferrite core is lower than the second turn number of the high counter-electromotive force winding set of the second stator ferrite core.