

SERVER RACK COOLING SYSTEM OF DATA CENTER

Abstract

The present invention relates to a server rack cooling system for a data center, which connects a refrigerant circulation line that circulates refrigerant from a dually equipped refrigerant distribution unit to a rear door cooling unit with a recovery line that is selectively opened, so that even if one refrigerant distribution unit is not in operation, the refrigerant is circulated from another refrigerant distribution unit through the recovery line, thereby increasing the continuity and reliability of computer room operation, and which does not require a hot zone space inside the computer room, thereby saving space and reducing cooling space, and enabling cooling load response for each server rack, thereby increasing cooling energy efficiency through individual control of the cooling load.

[Fig. 1]