DUAL-TEMPERATURE-ZONE AND MULTI-MODE INTELLIGENT REFRIGERATED ASSEMBLY FOR LOGISTICS

ABSTRACT

A dual-temperature-zone and multi-mode intelligent refrigerated assembly for logistics includes: a refrigerated container (1) configured to be provided on a truck; a vertical heat-insulating partition plate (2) arranged vertically in the refrigerated container and dividing an internal cavity of the refrigerated container into a first temperature zone (3) and a second temperature zone (4); a cold-storage plate (5) and a cold-storage unit arranged on a surface on a side of the refrigerated container within the first temperature zone opposite the vertical heat-insulating partition plate; an inter-zone temperature regulating fan; a first-temperature-zone temperature regulating fan for guiding and conveying air in the first temperature zone to outside of the refrigerated container installed in the first external communication opening; a second-temperature-zone temperature regulating fan; and temperature sensors arranged on inner walls of the refrigerated container at positions corresponding to the first temperature zone and the second temperature zone, respectively. (FIG.1)