

ABSTRACT

PDU POWER ACQUISITION APPARATUS

The present application relates to the technical field of power distribution apparatuses, and in particular relates to a PDU power acquisition apparatus. The PDU power acquisition apparatus comprises power transmission conductors and an electrical connection assembly, wherein the electrical connection assembly includes at least two power acquisition structures, and at least two power transmission conductors are comprised; each power transmission conductor is made of a hard conductive material and is rigid, and each power acquisition structure is a deformable structure; and power acquisition between the power acquisition structure and the power transmission conductor is press-contact type power acquisition, and the power acquisition structure squeezes the power transmission conductor. A power transmission conductor is made of a rigid conductive material, such that the power transmission conductor can be made into an integral structure having no welding point; and a power acquisition structure may directly abut against the power transmission conductor by means of its own elasticity or an elastic movable structure, so as to realize contact-type power acquisition; and there is no welding point between the power transmission conductor and the power acquisition structure, thereby reducing the number of intermediate connection points of a power distribution apparatus, and improving the reliability. The PDU power acquisition apparatus has a better heat dissipation performance and a lower temperature rise, thereby facilitating an increase in the load capacity of the PDU power acquisition apparatus, and achieving higher stability.

Figure 1