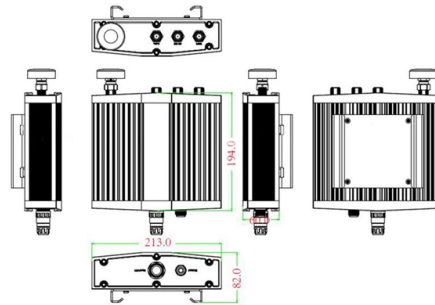


Data Center Rack Power Distribution Mode

Mechanical drawing



Overview

Power Distribution Models TIP Totally Integrated PowerThe data centre is a core facility which shall provide services in the range of data processing and communication, such as data transmission, data storage, data processing and conversion. In this context, the following may be required: the provision of a suitable room, a suitable ICT hardware, a suitable software or the execution of these types of. Electric power supply is the prerequisite of all DaC operations, i.e. computers, screens, hard drives, network components and data lines. It is not only the ICT equipment for which electrical energy must be readily available, but also for infrastructure tasks which includes cooling, air conditioning, fire surveillance and fire fighting, security. Fig. 1/2: Power consumption trends of data centres Considering the high requirements placed on the environment of a DaC, such as pp connectivity to the electric power distribution network and data transmission lines pp ambient climatic conditions pp avoidance of transportation hubs and industrial plants posing hazards pp distance away from mi. Of late IT experts have been discussing the use of electric power supply systems with direct current application for ICT components. Lawrence Berkeley National Laboratory (LBNL) predicted energy efficiency benefits of more than 28% for an average data centre, since the transformation steps from direct current (DC) to alternating current (AC) and vi.

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Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

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