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Sommario/riassunto	The concept of the Modular Multilevel Converter (MMC) offers numerous advantages, such as a high degree of modularity and scalability, as well as a very high voltage quality. In future, modern AC drive systems are to be realized with MMCs, which allow applications up to the highest voltage and power classes. This work presents a holistic approach for the operation and control as well as for the dimensioning of the MMC used as a drive inverter.