

Magnet Power Supply System for KEK-B Accelerator, A. AKIYAMA, TA. KUBO, T. NAKAMURA, M. YOSHIDA, KEK - Magnet power supply system for KEK-B Accelerator is presented in detail. Above 2,500 magnet power supplies will be prepared and started operation from July. After carrying out many R&D, the demand which are high current stability and small ripple content rate, high speed current control for steering magnet, compact size, high efficiency and low cost for power supplies have been met. Magnet power supply system is composed of 3 systems which are power supply control, interlock and current monitor system.