

Microcomputer Type DC Power Supply Panel

DCDB-3

DCDB-3 microcomputer DC power supply panel is a standard DC power supply system designed for users with different capacities. Using 7 inch touch screen monitoring system as the core, Chinese/English menu display, touch operation, multiple password permissions, man-machine interface friendly and rich, with simple operation, intelligent management, high efficiency and energy saving and remote control features. The system can be composed of monitoring module, rectifier module, buck module, battery inspection module, branch monitoring module and switch output module. The input voltage is AC220V, AC380V, and the maximum output capacity is DC110V/1500Ah, DC220V/1000Ah. If the system needs to provide external flash signal, accident signal, warning signal, inverter power supply, DC24V or DC48V power supply and other functions can be selected and added according to user needs, and the external size can be customized. Suitable for power plants, hydropower stations, all kinds of substations, switching-closing offices and other users using DC equipment, for electromagnetic operating mechanism, permanent magnet operating mechanism and spring energy storage operating mechanism and other types of circuit breakers, as well as secondary circuit instrumentation, control circuit, relay protection and accident lighting and other types of high and low voltage equipment to provide DC power supply.





Model Meaning

- ① SEE
- ② Screen (cabinet)
- ③ DC power supply
- ④ Application type :D. power system, T. communication system
- ⑤ Microcomputer type
- ⑥ Monitoring type :1:SEE-JK01B(wall mounted), 2:SEE-JK01B(vertical cabinet), 3:SEE-JK07T, 4:SEE-JK05T
- ⑦ Battery capacity (Ah), dual battery pack x2
- ⑧ Input voltage (AC):380V, 220V
- ⑨ Output voltage (DC):220V, 110V, 48V, 24V
- ⑩ Battery voltage (DC) : 12V, 2V

National Standards

DL/T 459-2017 DC power supply equipment for electric power;
DL/T 637-2019 Fixed valve-controlled lead-acid battery for electric power;
DL/T 724-2000 Technical specification for operation and maintenance of accumulator DC power supply device for power system;
DL/T 781-2001 High frequency switching rectifier module for electric power;
DL/T 856-2004 DC power supply monitoring device for electric power;
DL/T 857-2004 Technical conditions for rectifier inverters for batteries in power plants and substations;
DL/T 1392-2014 DC power system insulation monitoring device technical conditions;
DL/T 5044-2014 Power engineering DC power system design technical specification;
GB/T 19826-2014 Power engineering DC power equipment general technical conditions and safety requirements;
GB/T 17626.18-2016 Electromagnetic compatibility test and measurement techniques Damping oscillation wave immunity test.

Technical Parameter

Item	Parameter index
Rated input voltage	AC 220V/AC 380V±20%
Rated output voltage	220VDC、110VDC、48VDC、24VDC
Rated output voltage	6A、9A、10A、15A、20A、30A、40A、50A、60A、70A、 80A、90A、100A、120A、130A、150A、180A、200A、260A、300A、
Accumulator capacity	7Ah、12Ah、20Ah、33AH、40Ah、55Ah、65Ah、100Ah、120Ah、150Ah、200Ah、250AH
Stable pressure accuracy	≤±0.5%
Stable flow accuracy	≤±1%
Ripple factor	≤±0.5%
Power grid frequency	50Hz±10%
Power factor	≥0.95%(full load output)
Insulation strength	>10MΩ,2KVAC for one minute,no flash over,no breakdown
Operate mode	Continuous long-term operation
Cooling-down method	Intelligent temperature-controlled air cooling,efficient and natural cooling
Can smell the noise	≤50dB

