



EIPS 110Vdc/220Vdc 5U/11.6kW Power Core

PRODUCT DESCRIPTION

The EIPS 110Vdc/220Vdc 5U/11.6kW compact power core is designed using Enetek's range of EIPS switchmode rectifier modules and EICU02 controller unit, complete with the respective load and battery distribution as well as optional AC incoming and surge protection. The solution can be customized accordingly to specific requirements.

The EICU02 controller with a 7" LCD display provides a simple-to-operate interface for the monitoring and management of the system solution.

KEY FEATURES

- Hot-Swap Rectifier Modules
- Modular, Scalable Cabinet Design
- High Power Density
- Front-to-back Airflow
- Wide Input Voltage Range
- Wide Temperature Range
- Earth Fault Detection Module
- Optional Dropper Diode Unit
- Compliant with Global Standards

APPLICATIONS

- Switchgear applications for power plants, power substation as well as railway industry
- Power supply for electrical equipment and emergency lighting for industrial applications
- Various other applications in demanding industries including marine, oil & gas, process etc.

TECHNICAL SPECIFICATIONS

MODEL		EIPS 110Vdc/220Vdc
Capacity Range		11.6kW
INPUT SPECIFICATIONS		
Mains Input Configuration		1-Phase 230Vac
Power Factor		>0.98 @ rated input and 117Vdc/20A output
Frequency		45Hz to 65Hz
Input Protections		Surge Protection
		Overvoltage, Undervoltage, Overcurrent Protection
OUTPUT SPECIFICATIONS		
Nominal Output Voltage		117Vdc (adjustable 99Vdc to 143Vdc)
Output Power		11.6kW
Efficiency		>91.5%
BATTERY DISTRIBUTION		
Battery Distribution		1 x 80A-125A/2P MCB (Configurable)
LOAD DISTRIBUTION		
Load Distribution		2 x 6A-63A/2P MCB (Configurable)
CONTROLLER and RECTIFIER TYPE		
Rectifier Module		EIPS 110/220Vdc range of rectifier modules
Controller Module		EICU02 (refer to datasheet)
OPTIONS		
Interface Modules		Extension 11.6kW Power Rack, DC Termination Module, Analog Meters, Insulation Detection Module, Main DI Module, Extension I/O Module, Battery Monitoring Module, Dropper Diode Module, Isolation Transformer Module
ENVIRONMENTAL		
Operating Temperature Range		-20°C to +60°C (de-rates above 45°C)
Storage Temperature Range		-40°C to +70°C
Relative Humidity		Operating: 5% to 98% RH non-condensing
		Storage: 0% to 98% RH non-condensing
Acoustic Noise		<58dB @ full load, 40°C
PHYSICAL		
Dimensions WxDxH		482 x 381 x 222 (mm) (5U)
Net Weight		~10kg (excluding rectifier modules)
DESIGN STANDARDS		
Electrical Safety		EN/IEC62368-1
EMC		EN55022/CISPR22 Class B, EN61000-4-2/-3/-4/-5/-11

