



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 UnitCompliant with Global Standards

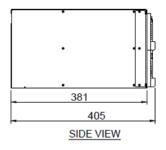
APPLICATIONS

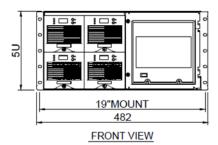
- Switchgear applications for power plants, power substation as well as railway industry
- Power supply for electrical equipment and emergency lighting for industrial applications
- Various other applications in demanding industries including marine, oil & gas, process etc.

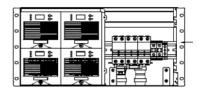


TECHNICAL SPECIFICATIONS

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	
	Extension 11.6kW Power Rack, DC Termination Module, Analog Meters,
Interface Modules	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







FRONT VIEW
W/O FRONT COVER

Due to continuous product development, specifications are subject to change without prior notice

Rev00