

## IPS 110/125-1800

### *Rectifier Module*



#### GENERAL DESCRIPTION

The IPS 110/125-1800 is a single phase input, switch mode, convectional cooled rectifier module. The robust design makes it optimized for industrial applications.

IPS 110/125-1800 meets the requirements of EMC directive 89/336/.

IPS 110/125-1800 is a building block of EIPS 110/125 V DC-systems. The systems can operate with or without battery back up. IPS 110-1800 can be updated to IPS 125-1800 and vice versa.

Euro connector is used for all connections, mains, DC output, remote control and remote alarms.

AC mains indication and local indication of alarms by front panel LED's.

#### FEATURES

- Two remotely or locally controllable output voltage levels
- Constant current limiting mode setting
- Output voltage temperature compensation, by the means of a system temperature sensor
- Automatic load current sharing
- Fixed over voltage monitoring
- Internal over temperature protection
- Output fuse monitoring
- Mains voltage monitoring

## SPECIFICATIONS

Input	IPS 110-1800	IPS 125-1800
Input voltage, nominal	230 VAC	
Input voltage range	180 – 264 VAC	
Input voltage adaptive range	165 – 264 VAC	
Start / Turn off voltage	175 / 160 VAC ± 5 V	
Input current, nominal	9.1 A	
Maximum inrush current	< 10 A	
Internal input fuse	15 A	
Input Frequency range	47 - 65 Hz	
Power factor	> 0.95	
Input connector	Euro connector, male	
Output	IPS 110-1800	IPS 125-1800
Float charge voltage, FC Min – Max / (Factory setting)	120 – 145 VDC (122.6 VDC)	120 – 145 VDC (136.2 VDC)
Support charge voltage, SL Min – Max / (Factory setting)	100 – 135 VDC (103 VDC)	100 – 135 VDC (114 VDC)
Constant current limit Min – Max / (Factory setting)	13.5 – 16.5 A (15.5 A)	13.5 – 16.5 A (13.5 A)
Output fuse	30 A	
Automatic load sharing	Yes	
Short circuit protection	Yes	
Over temperature protection	Yes	
Overvoltage release, OVP	ON 150 VDC, OFF 120 VDC	
Output connector	Euro connector, male	
Functions	IPS 110-1800	IPS 125-1800
EMI	Two remotely or locally controllable output voltage levels. Constant current limiting mode setting. Output voltage temperature compensation by the means of a system temperature sensor. Automatic load current sharing. Fixed overvoltage monitoring. Internal over temperature protection. Output fuse monitoring. Mains voltage monitoring	
Physical, environmental and standards	IPS 110-1800	IPS 125-1800
Mechanical design	Sheet metal cassis and heat sink in aluminium	
Protection class	IEC 529 / IP 20	
Dimensions (HxWxD)	262 x 141 x 350 mm	
Weight	8.8 kg	
Storage temperature (min/max)	-40°C / +70°C	
Operating temperature (min/max)	-40°C / +70°C	
Humidity	≤ 93% (Relative humidity non condensing)	
EMI	EN 300 386:2005	
EMC directive 89/386/EEC	EMC, Emission: EN 50081-2 EMC, Immunity: EN 50082-2, EN50082-3, EN50082-5, EN50082-6, EN61000-4-5 Electrical safety: EN 60950-1	
RoHS, WEEE	EU directive 2002/95/EC (01.07.2006)	
Approvals	CE, CB	
Certificates	Modules are designed under control of ISO 9001 and ISO 14001	
Rectifier Part no.	92I002	92I006