AS-REC 1000 Series

AS-REC 1000 Series Technical Specifications
Mono Phase Input Rectifier / Battery Charger with Transformer

Up to 1,2 kW

Up to 10 kW

Up to 33 kW

MODEL (See Below Tables)		
INPUT		
Voltage		220 Vac (Optional 230/240 Vac)
Voltage Tolerance		± 20%
Frequency		50 Hz (Optional 60 Hz)
Frequency Tolerance		± 5%
OUTPUT		
Voltage Range (Vdc)		12, 24, 48, 110, 220 Vdc (Others on Request)
Voltage Regulation		± 2%
Output Currents (A)		10, 15, 20, 25, 30, 40, 50, 60, 75, 80,100, 120, 125 (Others on Request)
Ripple		< 5% (Without Battery)
Efficiency		Up to 88%
GENERAL		
Control		Microprocessor Controlled
Protections		Short Circuit, Over Current, Over Temperature, Ouput Voltage Low/High, DC Ground Missing Warning
Battery Charge Mode		Automatic Charge, Boost Charge
		Float Charge : 2 - 2.45V/Cell (Depends Battery Type)
Display		128x64 Graphic LCD, 4 key, 6 pcs LED
Isolation		Input-Output: 2000 V, Input/Output-Ground: 500V
ENVIRONMENTAL		
Operating Temperature		0...+40 °C
Storage Temperature		-20...+70 °C
Relative Humidty		% 0-95 (Non-condensing)
Cooling		Forced Cooling with Fan
Protection Level		IP20 (Others on Request)
Acoustic Noise		55 dBA
PHYSICAL		
Dimensions (HxWxD) mm.	Up to 1,2 kW	500x370x630
	Up to 10 kW	580x470x870
STANDARDS		
Harmonized Standaerds		EN62040-1, EN 61204 (LVD), EN61204-3 (EMC)

BATTERY CHARGING RECTIFIERS

AS-REC 1000 series rectifiers are designed by today's technology for charging batteries and for the DC energy necessity of the equipment's which are supplied with the direct current. Common usage areas are telecommunication, energy distribution stations, land and marine transport vehicles, industrial and military foundations and all kinds of battery charging applications. Rectifiers have completely electronic structure and they check the output current and voltage by power part with thyristor. To provide the minimum ripples, the output part is equipped with the filter containing capacitors, and shock inductors.

GENERAL FEATURES

- Thyristor Phase Control Technology
- Voltage Controlled Automatic Charge
- Usage as DC Power Supply
- Wide Power Range
- High Efficiency and Reliability
- Electronic Protections
- User Friendly LCD Panel
- Optional Double LCD for Load and Battery,
- Optional Portable LCD Panel
- LCD works without AC Input
- Easy to Use

AS-REC SINGLE PHASE MODELS

V \ A	10	12	15	20	30	40	50	60	100	Page
24	1024-10	1024-12	1024-15	1024-20	1024-30	1024-40	1024-50	1024-60	1024-200	30
48	1048-10	1048-12	1048-15	1048-20	1048-30	1048-40	1048-50	1048-60	1048-200	30
110	1110-10	1110-12	1110-15	1110-20	1110-30	1110-40	1110-50	1110-60	1110-200	30