

BATTERIES VRL

With output voltage from 24, 48, 110, 220 VDC up to 30a

ASBR - I




ASBR - I

ASBR-I series is a single branch rectifier AMPERIS supplies continuous DC load.

amperis

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ASBR-I series is a single branch rectifier AMPERIS supplies continuous DC load. ASBR - I rectifiers are composed with an open frame solution rectifier totally independent installed inside in a cabinet. Customer can choose cabinet solution or open frame. Quality and performance are the best in the market. AC/DC converter is realized in swap module. This solution greatly improves MTTR in a few minutes. ASBR - I rectifiers can charge rectifiers VRLA batteries.. Ripple in output is < 1% for safeguard of the batteries ASBR - I rectifiers include some optional like drop cells, diode for parallel, MCCB input, batteries, output. Technology of the converter module is high frequency, chopper with power transformer, natural cooling. Transportation is facilitated thanks the width enough for get in Lifter manual trucks.

INDUSTRIAL APPLICATIONS:

- Oil&Gas (Petrochemicals Offshore, Onshore, Pipelines)
- Energy & Power Generation (Transmission, Distribution)
- Transportations (Rail, Airport, Shipping)
- Water (Desalination, Treatment)
- Instrumentation & Process control (Chemical, Mining, Steel, Paper)
- All industrial applications
- Parallel operation
- Simplified maintenance: High MTBF and low MTTR
- International Service support

KEY FEATURES:

- Standard system - cost effective, short lead time
- Digital instrumentations cl. 0,5
- Electronic management with analog control, trimmer for setting characteristics
- LEDs and control parASBR - lters locally or remotely
- Several types of batteries: Advance Battery Management
- Parallel operation
- Simplified maintenance: High MTBF and low MTTR
- International Service support

SWAP MODULAR converter

6 Pulse total controlled thyristor rectifiers. High performance totally independent module; can be changed very easily in case of failure (Very short time MTTR).

Pantalla LCD

An human machine interface (HMI) ensure the access to all the important parameters; the main panel accessible from the front side. A large display 3 digits and ½ for battery voltage and current gives the perfect overview of the charge quality.

The display is powered by output batteries, thanks an embed-ded DC/DC converter, to ensure measurements also without AC supply. LEDs indicate the operation of the system

Front Pannel Signals (LEDs)

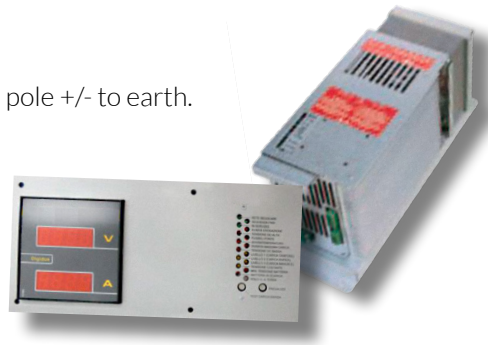
Main regular, output DC min. battery voltage, fault

Measuring

(The display it is powered by battery thanks an DC/DC converter), battery voltage digital, 3 digits and 1/2, battery current digital, 3 digits and 1/2.

SPDT Contacts

Mains, fault, min. battery voltage, pole +/- to earth.



Mains	1Ph 240Vdc
Frequency	50Hz/60Hz ±5%
Rated output voltage	24,48,110,220 Vdc
Satic voltage regulation	± 0,5% under the following conditions at float charge ; 0-100% DC load variation; input voltage ± 10%; input frequency ± 5%
Dynamic voltage regulation	Using standard filter and battery connected (Capacity higher than 5 times In) Load step Deviation 10-90% -5% 90-10% +5%
Current regulation	100% down to 50%
Long term stability	0,15% for 1000 hours
Temperatyre ciefficient	0,18% per °C
Chargin characteristics	Constant current /constant voltage I/U as required by IEC 478-1 during float charge
Noise level	< 50dB
Nivel de ruido	< 50dB
Input/output isolation	>2000 MΩ , 500VC.C.
Protección saliente	as required by
Outgoing protecticon	Short Circuit; high and low voltage
Cooling	Natural (forced just for rectifiers bridge)

CABINET MODEL		
IMPUT Vac: 230 1Ph		
Dimensions (WxDxH) mm: 600x650x1600		
	OUTPUT Vdc	System Branch A
ASBR -I 24/25	24	25
ASBR -I 24/40	24	40
ASBR -I 24/60	24	60
ASBR -I 48/10	48	10
ASBR -I 48/30	48	30
ASBR -I 110/5	110	5
ASBR -I 110/30T	110	20
ASBR -I 220/8	220	8

OPEN FRAME MODEL		
IMPUT Vac: 230 1Ph		
Dimensions (WxDxH) mm: 800x518		
	OUTPUT Vdc	System Branch A
ASBR -I 24/25/G	24	25
ASBR -I 24/40/G	24	40
ASBR -I 24/60/G	24	60
ASBR -I 48/10/G	48	10
ASBR -I 48/30/G	48	30
ASBR -I 110/5/G	110	5
ASBR -I 110/30T/G	110	20
ASBR -I 220/8/G	220	8