Ablerex

every moment counts

Ermes ATS

POWER QUALITY DEVICE

ERMES ATS

- Redundant power to single-input equipment by managing two separate, independent power sources.
- High automatic transfer speed between two sources (8 - 12 ms).
- The LCD display makes it easy to control.
- Takes up minimal space: 1U for 16 A and 2U for 32 A.
- EPO for greater safety.
- The ITS version with manual bypass and hot-swappable ATS guarantees 100% power continuity.
- Output sockets:
  - 16 A version: 8 x IEC C13 and 1 x IEC C19
  - 32 A version: 12 x IEC C13 and 2 x IEC C19 + terminals.
- USB and RS232 ports, relay card with dry contacts and slots for optional communication cards.

Key options

- SNMP/web and RS485 card for remote management

ERMES Automatic transfer systems

These guarantee redundant power to rack equipments with a single power supply.

Applications

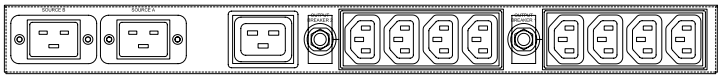
- Server rooms
- Data centres
- Networking equipment
- Video surveillance and security equipment

ERMES ATS

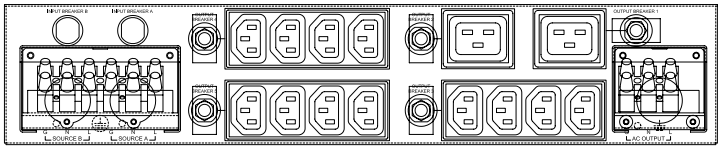
ATS TECHNICAL DATA SHEET

MODEL		ERMES 16A	ERMES 32A	ERMES 32A BP
SIZE (A)		16	32	32
INPUT	Rated voltage	200/208/220/230/240 Vac (±5%/10%/15%/20%)		200/208/220/230/240 Vac (±5%/10%/15%/20%)
	Frequency	50/60 Hz (±5%/10%/15%/20%)		
	Input sockets	2 x IEC-C20	2 x 30 A terminal blocks	2 x 30 A terminal blocks
OUTPUT	Rated voltage	200/208/220/230/240 Vac		200/208/220/230/240 Vac
	Maximum output current	16	32	32
	Transfer time	8–12 ms		
	Output sockets	8 x IEC-C13 1 x IEC-C19	12 x IEC C13, 2 x IEC C19 1 x 32 A terminal blocks	12 x IEC C13, 2 x IEC C19
CONNECTIVITY	Built-in communication ports	RS232, USB, EPO, relay card with dry contacts (5 out)		
	User interface	LED (source A and/or B, fault status) LCD (parameters: alarms, faults)		
	Optional accessories	RS485, SNMP/Web cards		
GENERAL	Dimensions (WxDxH) mm	440x275x44	440x275x88	440x346x88
	Weight (kg)	4	6	8
	Protection	Downstream short circuit		
ENVIRONMENTAL PARAMETERS	Operating temperature	-5°C to + 40°C (0%–90% non-condensing)		
REGULATIONS	Standards	IEC EN 62368-1, IEC EN 62310-2		
	Marking	CE, UKCA		

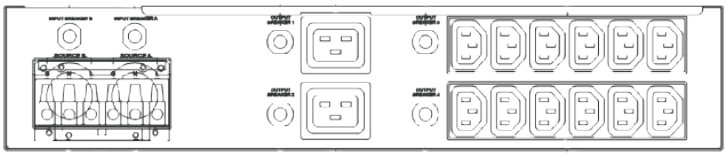
ERMES 16A



ERMES 32A



ERMES 32A BP

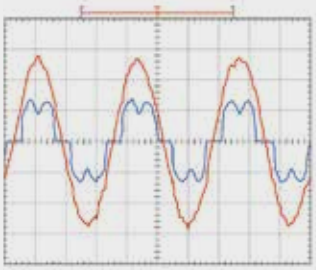


POWER QUALITY DEVICE

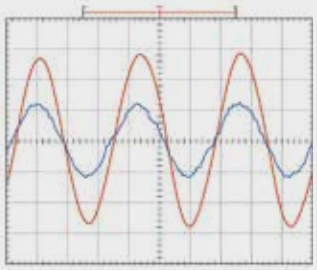
ENERSINE APF

Harmonic and PF correction that can be verified on the display

Ablerex Enersine not only actively corrects harmonic currents up to the 51st order, but also improves the inductive or capacitive power factor with a response time of less than 1 ms. The benefits can be seen easily on the display.



Without Enersine
TDHi%=30% • PF=0.81



With Enersine
TDHi%=4.3% • PF=1.0

ENERSINE MONOLITHIC TECHNICAL DATA SHEET

MODEL		ENERSINE 30	ENERSINE 60	ENERSINE 80	ENERSINE 100
SIZE (A)		30	60	80	100
ELECTRICAL SPECIFICATIONS	Rated voltage	400 V +15%, -20%; 480V +10%, -20%			
	Phases	Three-phase			
	Frequency	50/60 ±3 Hz			
	Harmonic correction	From the 2nd to the 25th	From the 2nd to the 51th		
	Power factor correction	Capacitive and inductive (selectable)			
	Load balancing	Between two phases and between phase and neutral			
	Response time	25 µs			
ENVIRONMENTAL PARAMETERS	Operating temperature	-10°C to +40°C without derating*			
	Relative humidity	<95%			
	Altitude (a.s.l.)	<1000 m without derating, >1000 m with 1% derating for every 100 m			
	Audible noise at 1 m.	<55 dBA	<63 dBA		
GENERAL	Dimensions (WxDxH) mm	348x164x598	500x286x775		
	Weight (kg)	16	51	58	60
	Protection class	IP30/IP31			
	Connections	4-wire/3-wire			
	Installation	Wall mounting			
	Type	Monolithic			
	Parallel connection up to (A)	120	240	320	400
	Max parallel modules	5			
	TA configuration	Source side TA: closed loop control - load side TA: open loop control			
CONNECTIVITY'	Built-in communication ports	USB, RS-485 ModBus RTU, EPO and Dry contact board (1 input – 3 output)	USB, RS-485 ModBus RTU, EPO, Ethernet and Dry contact board (1 input – 3 output)		
	User interface	Colour 2,7" LCD screen display	Colour 7" LCD touch screen display		
	Software	Data monitoring and storage software			
REGULATIONS	Standards	EN61000-6-4, EN55011, CISPR 11, IEC 61000-3-12, IEC 61000-3-11			
		IEC 61000-6-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4			
		IEC 61000-4-5, IEC 61000-4-6, IEC 62477-1, EN 61000-4-8, EN61000-4-34			
	Marking	CE, UKCA			

* Enersine 30 model: -10°C to +25°C without derating, above +25°C automatic derating to 20A

ENERSINE MODULAR TECHNICAL DATA SHEET

MODEL		ENERSINE 400	ENERSINE 600
SIZE (A)		400	600
POWER MODULE (A)		60-80-100	
ELECTRICAL SPECIFICATIONS	Rated voltage	400 V +15%, -20%; 480V +10%, -20%	
	Phases	Three-phase	
	Frequency	50/60 ±3 Hz	
	Harmonic correction	From the 2nd to the 51st	
	Power factor correction	Capacitive and inductive (selectable)	
	Load balancing	Between two phases and between phase and neutral	
	Response time	25 µs	
ENVIRONMENTAL PARAMETERS	Operating temperature	-10°C to +40°C without derating	
	Relative humidity	<95%	
	Altitude (a.s.l.)	<1000 m without derating, >1000 m with 1% derating for every 100 m	
	Audible noise at 1 m.	<63 dBA	
GENERAL	Dimensions (WxDxH) mm	600x900x1500	600x900x1950
	Weight (kg)*	150	196
	Protection class	IP21	
	Connections	4-wire/3-wire	
	Installation	Floor standing	
	Type	Modular	
	Parallel connection up to (A)	2400	
	Max no. of modules per system (60, 80 or 100 A in a mixed configuration)	Up to 4	Up to 6
	Max parallel systems	6	4
	TA configuration	Source side TA: closed loop control - load side TA: open loop control	
CONNECTIVITY	Built-in communication ports	USB, RS485, Modbus RTU, EPO Ethernet port and dry relay contacts (1 in/3 out)	
	User interface	7'' colour LCD touch screen display	
	Software	Data monitoring and storage software	
REGULATIONS	Standards	EN61000-3-4, IEEE 519-1992, EN60146, EN50178; UL508, EN61000-6-4, EN55011, CISPR 11, IEC 61000-3-12, IEC 61000-3-11, IEC 61000-6-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 62477-1, IEC 61000-4-5, IEC 61000-4-6, EN 61000-4-8, EN61000-4-34	
	Marking	CE, UKCA	

* Weight without the control module and power modules

POWER QUALITY DEVICE

Ablerex

Innovative solutions for maximum protection, control and unparalleled power quality

Enersine APF

POWER QUALITY DEVICE

Ermes

Enerbatt 3G

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