



Industrial Power Supplies b.v.

NEW PRODUCT RANGE !

Secure Power Solutions for telecom, cable / broadband

FERROPAC and SWITCHPAC series

- Non-standby power supplies
- Standby power supplies

CABPAC Enclosure series

BATTPAC Battery series

Services





Oltronix IPS b.v.

Oltronix Industrial Power Supplies BV is one of the long lasting power electronics company in the Netherlands. It was founded in 1964.

Oltronix Industrial Power Supplies BV products are supplied world wide.

Oltronix Industrial Power Supplies BV maintains a 1250 sqm facility that houses the entire operation, including product design and development, engineering, manufacturing, QA, service, and sales and marketing.

Because reliability is the core competence of Oltronix, all development and production tasks are performed in house or in lean manufacturing processes to ensure maximum control over manufacturing, testing processes and high market competitiveness.

Our reputation last for over decades of solid performance in keeping up with the most stringent quality standards. But our sights are set to the future, as we search continually for new ideas and explore new technologies.

High Performance on the International Market

Oltronix started its intensive international marketing efforts right after her establishment in 1964. The same high quality products that made Oltronix a success in the Netherlands, proved to be an overwhelming success on the international market.

The success of Oltronix on the international market is based on several factors:

- The technological capability and flexibility to create customized products and meet local and specific market demands

- Constant cost/performance check to ensure the best solution at a fair and competitive price

- In-depth understanding of market trends and the direction of technological development

- Long-term partnership policy with local distributors to meet the top priorities of each individual market.

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FERROPAC MSWC series is specially designed for street cabinet or indoor applications within the cable television industry.

Further the FERROPAC MSWCo series was developed to meet the pole or wall mounting requirements within the HFC network.

The advanced technology of the FERROPAC MSWC series is developed in close cooperation with cable television operators and is one of the top reliable low noise products in the industry.

Features:

- Stabilised output.
- Small dimensions.
- Strong heat reduction.
- Short circuit proof.
- Low noise execution.
- Protected against continuous overload.
- High efficiency.
- Strong suppression of transients.
- High reliability.
- According to IEC 742/EN 60742.
- Rugged stainless steel casing.
- CE approved.
- Suitable for customized adaptations.
- Wide range of input and output voltages.

General specifications

Input	
Input voltage:	230V~ ±15%
Transient suppression:	80dB (10kHz-1MHz)
Isolation test voltage:	5600VDC
AC Output	
Waveform:	square wave
Transformer efficiency:	92%
Line regulation (Us=±15%):	<2%
Load regulation (Iex=25-100%):	<2%
Max. short-circuit current:	150% of nom output current.
Isolation test voltage (output-case):	1000VDC
Sound pressure level:	30 dB(A)

Technical specifications

Model	Input voltage [VAC]	Input frequency [Hz]	Output voltage [VAC]	Output current [A]	Maximum output power [VA]
MSWC 500	230	50 *)	42...60 *)	12...7,7	500
MSWC 700	230	50 *)	42...60 *)	17...11	700
MSWC 1000	230	50 *)	42...60 *)	24...17	1000
MSWC 1400	230	50 *)	42...60 *)	33...23,5	1400

Model	Input voltage [VAC]	Input frequency [Hz]	Output voltage [VAC]	Output current [A]	Maximum output power [VA]
MSWCo 500	230	50 *)	42...60 *)	12...7,7	500
MSWCo 700	230	50 *)	42...60 *)	17...11	700
MSWCo 900	230	50 *)	42...60 *)	21,5..15	900

*) Other line frequencies, input/output voltages on request.



FERROPAC MSWCo series

SWITCHPAC SW series

NON STANDBY AND UPS SYSTEMS



SW series

Features

- Powered by either AC or DC
- Modular construction with ability to mount on a DIN rail, Euro cassette or in a 19" industrial rack
- Front connector execution
- Easy to modify for customized requirements
- PCB available for mounting in various casing to meet the desired form factor

Technical specifications

Models	SW 151	SW 200/201	SW 300/301	SW 400	SW 600
	Maximal output current (power)				
12 V	10A - (125W)	12A - (150W)	16A - (200W)	24A - (300W)	33A - (400W)
24 V	6A - (150W)	8A - (200W)	12A - (300W)	16A - (400W)	24A - (600W)
48 V	3A - (150W)	4A - (200W)	6A - (300W)	8A - (400W)	12A - (600W)

General specifications:

Frequency	47...53 Hz
Power factor	0.95
Input voltage	165...297 VDC
Regulation output voltage:	12, 24 and 48 VDC $\pm 5\%$ for all models
Efficiency	75% up to 85%, depending on model
Temp comp coeff	-4.5 mV/°C/Cell
Temp range floating mode	-5...+35 °C
Working temp range	-33...+70 °C
Protection	IP20
Cooling	Forced or convection

FERROPAC A10 series

CABLE/BROADBAND UPS POWER SUPPLY



A10

NEW

Features

- Cable/Broadband UPS module
- Output quasi square wave
- Compact design and low operation noise
- LCD smart display for system monitoring
- Integrated auto-recovery function from short circuits or overloads
- LED indicator for major alarms
- Front panel connectors for easy access
- High overload capacity prevents against damages caused by peak currents from equipments like ONU or TDA
- Voltage Stabilization according to ferroresonant principle
- Optional NMS module
- Compatilby with CABPAC enclosure series



Technical specification

Model	Max output power [VA]	Output voltage [VAC]	Input voltage [VAC]	Frequency [Hz]	Output current [A]	Battery voltage [VDC]
A10-6309-36	600	63	230	50	9	36
A10-6314-36	900	63	230	50	14	36
A10-6314-48	900	63	230	50	14	48
A10-6321-48	1350	63	230	50	21	48
A10-6321-48	1350	63	230	50	21	48
A10-6309-36	600	63	120	60	9	36
A10-6314-36	900	63	120	60	14	36
A10-6314-48	900	63	120	60	14	48
A10-6321-48	1350	63	120	60	21	48
A10-6321-48	1350	63	120	60	21	48

General specification

Input	Phase	Single (2P+GND)	Selectable
	Power factor	>0,90 at full load	
	Voltage	+/- 15%	
	Frequency	+/- 3%	
Output	Phase	Single (2P+GND)	After charge
	Voltage	63 VAC	
	Output waveform	Quasi square wave	
	Shorten switching time	4 m sec typical	
	Voltage regulation	+/- 5%	
	Frequency stability	+/- 0,05% inverter mode +/- 1% normal mode	
	Short circuit current	150% of maximum current rating	
	Transformer	uninterrupted output	
	Efficiency	93% line mode. Over 85% inverter mode.	
	Connection	Input	
Output		Seizure connector	
Dimension	Dimensions	600, 900 VA: 320(W)x220(H)x320(D) 1350 VA: 570(W)x305(H)x535(D)	
	Weight	Max. 23kg	
	Temperature	-40 up to +60 C (operation)	
Environment	Relative humidity	0-95%	
	Noise	Within 43 dB	
Option parts		NMS and Management software, i-ELB	

The SI48 convection or forced cooled rectifiers bring solid DC technology to the power industry meeting the power requirements for a variety of system applications.

The SI48-28 or SI48-48 integrated 19" shelf systems with combined controller and distribution are ideal for applications with lower power requirements up to 2400W.

A compact 3RU design allows four rectifiers plus controller or five rectifiers per 19" shelf for bulk power needs. Local and remote setup, adjustment, and control is a simple process with the SI System Controller. By utilising GSM technology, complete configuration monitoring and testing of power equipment is possible via remote access. **The SI48 power system has a common +48VDC bus.**

Features

- Power Factor Correction (PFC) included
- Input power of either single or three phase connection
- Wide temperature range -33 up to +70 degree Celsius
- Different charging regimes programmable for a wide range of batteries
- Low Voltage Disconnect (LVD) device
- On board memory to log 400 events
- Temperature compensation in floating charger mode
- Detection of battery low or high voltage and connection
- Visual, sound and remote indication of alarms via digital communication
- Assign user defined events
- Two external alarm inputs possible
- External temperature probe included
- Distribution panel with 8 output possible
- Digital and analogue interface for Dry contacts, RS232, RS485, Ethernet and GSM



Optional outfit

External Ethernet module type MK-RS232-ET
 External GSM module type MK-RS232-ET
 8 output voltage distribution panel type PO-48S

General specifications

Input		General	
Voltage	3×230/400V +10% -20%	Efficiency	87%
Frequency	47...53Hz	Working temperature range	-33...70 °C
Power factor	0.95	Ingres protection	IP20
		Dimensions	(H×W×D) 133(3U) × 483(19") × 314
Output		Standard compliance	
Adjustable range	46...53.5...56V	Electrical safety	EN 60950:2004 class I
Characteristics	UPI	Electromagnetic	EN 55022 level B
Regulation	0.5%	EMC immunity	EN 300 386:2002
Psophometric noise	Max 2mV		

Technical specifications

Model	Output current	Output power	Current consumption	Cooling	Rectifier	Weight
SI48-28-31	21A	1050W	2A	convection	ZPA 48/7	10,7 kg
SI48-28-32						
SI48-28-33						
SI48-28-34						
SI48-28-41	28A	1400W	3A	convection	ZPA 48/7	12,5 kg
SI48-28-42						
SI48-28-43						
SI48-28-44						
SI48-48-31	36A	1800W	4,5A	forced	ZPA 48/12	11 kg
SI48-48-32						
SI48-48-33						
SI48-48-34						
SI48-48-41	48A	2400W	6A	forced	ZPA 48/12	13 kg
SI48-48-42						
SI48-48-43						
SI48-48-44						



UPS Remote Control and Monitoring System.

Features

- Remote control like Test and Reset of UPS
- Receives information via traps or sending polling signal
- Monitoring of the following UPS parameters:
 - UPS general operation (High or low priority alarms via common alarm)
 - Output voltage and current
 - Input voltage and current
 - Inverter output failure
 - System temperature and/or external probe
 - Battery and Charging voltage
 - Surge protection
 - Cable modem failure
 - External alarms like door open or closed

CABPAC Enclosure series

OUTDOOR POWER SYSTEM ENCLOSURE



Features

- Engineered to accommodate outdoor powering applications in pole or wall mount configurations
- Sliding battery tray with lock/in-lock/out features
- Enclosures are agency certified to meet applicable industry standards
- All aluminium or steel construction and durable powder coat finish provides superior corrosion resistance
- Cooling FAN for system temperature control

CABPAC Enclosure series

OUTDOOR POWER SYSTEM ENCLOSURE



CPS6260
CPA6260

CPS7360
CPA7360

CPS6290
CPA6290

CPS7390
CPA7390

CPS7312
CPA7312

Dimensions and weights

Type	width [mm]	height [mm]	weight [kg]
6260	620	600	25
7360	730	600	30
6290	620	900	31
7390	730	900	55
7312	730	1200	38.5

CPS = All Steel construction
CPA = All aluminium construction



Features

Strong charge

The use of calcium alloy grids and low resistance envelope separators means that OLTRONIX UPS batteries have 20% improved charging ability compared to other batteries, even in extreme hot or cold climates

Low rates of self-discharge

Calcium alloy grids provide prompt power even after long periods of storage

Mounted hydrometer

Special alloy grids prevent corrosion and extend the life of the battery with making it the economically practical choice

General Specification

Battery Types	Nominal Voltage (V)	Nominal Capacity (Ah)					Dimension (mm)			Weight (kg)
		20 hr rate	10 hr rate	5 hr rate	3 hr rate	1 hr rate	L	W	H w/ Terminal	
BP-CA35	12V	35	31.9	28.7	26.4	21.4	196	128	225	10.22
BP-CA45	12V	45	41.0	36.9	34.0	27.5	237	128	225	12.29
BP-CA50	12V	50	45.0	41.0	37.8	30.0	207	174	190	13.13
BP-CA60	12V	60	54.6	49.2	45.3	36.6	242	174	190	15.37
BP-CA65	12V	65	59.2	53.3	49.1	39.7	277	174	174	16.44
BP-CA80	12V	80	72.8	65.6	60.4	48.8	277	174	174	17.29
BP-CA100	12V	100	91.0	82.0	75.5	61.0	330	172	240	26.39
BP-CA120	12V	120	109.2	98.4	90.6	73.2	503	182	231	35.31
BP-CA150	12V	150	136.5	123.0	113.3	91.5	507	213	231	41.25
BP-CA200	12V	200	182.0	164.0	151.0	122.0	510	275	238	58.56
BP-CA250	12V	250	227.5	205.0	188.8	152.5	510	275	238	59.40

Lead-Calcium Grid Technology

- Maintenance free batteries (no refill of distilled water).
- No risk of damage caused by overcharging
- For harsh thermal environment
- Long time storage without recharge

On site and maintenance services

Oltronix offers onsite maintenance services to customers, which are usually billed on a time and material basis or contract wise yearly or monthly charge.

Various type of services

- Consulting for product selection and network assessment
- Commissioning support - supervision of start-up
- Commissioning service
- Spare part provisioning
- Preventive Maintenance
- Extended warranties
- Repair service in house or on site
- Battery service and ecological recycling of old batteries
- Dismounting and ecological recycling of old power supply assets
- Various tailored maintenance contracts available



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