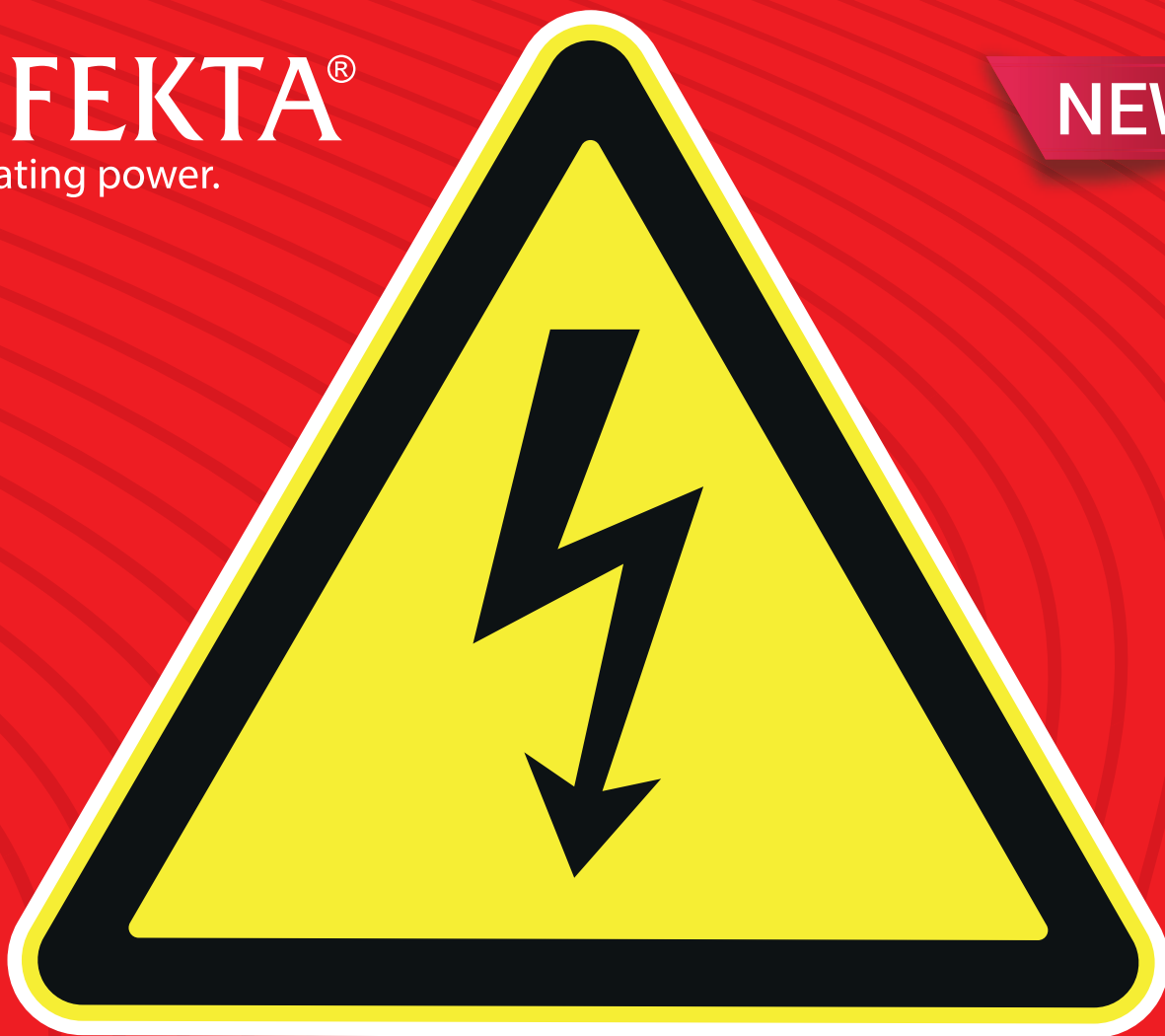


EFFEKTA[®]
innovating power.

NEW



Drive on despite
blackout!

UPS Lift 4500

– universal, compact, powerful!

one product, many advantages:

- ▶ Continues without stopping to the next floor in the event of a power failure
- ▶ Enough power for drive, control system, emergency call function, emergency lighting, cabin fan, cabin lighting
- ▶ Just one rechargeable battery for all functions
- ▶ 10 year service life expectation for the rechargeable lithium battery
- ▶ No more sudden braking to a complete stop
- ▶ Low maintenance overhead because only 1 rechargeable battery in the system
- ▶ Optimized for installation on the shaft wall
- ▶ High-quality battery monitoring
- ▶ Elevator cabin functions remain available for a long time, even when stranded after failure of the elevator drive system
- ▶ Able to operate at temperatures of up to 40°C

UPS Lift 4500

For elevator industry;
3kW with Lithium
batteries

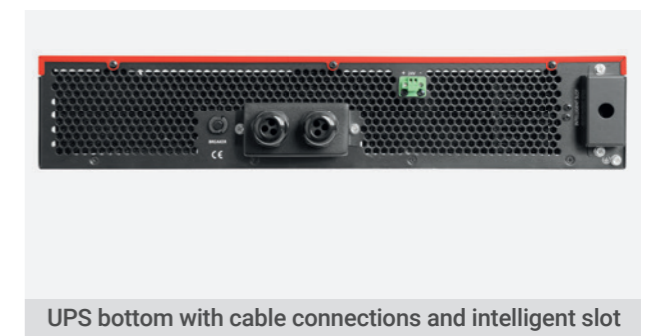
EFFEKTA has developed a special UPS for the lift industry to accommodate the special requests of this industry. The UPS Lift 4500 provides an ideal sinusoidal output voltage with a power factor of 1.0.



Details



UPS Lift 4500 w/o cable covers



UPS bottom with cable connections and intelligent slot

Characteristics

- UPS classification VFI-SS-111 according to IEC 62040-3
- Online double conversion with sinusoidal output voltage
- Switchable to ECO mode
- Wide input voltage range
- Incl. communication slot
- 36 month warranty

Specifications

Lift 4500		
Power	Nominal power in VA/Watt	3000/3000 (4500 W for 30 sec.)
Autonomy time	150/100/70/50/20 % load	30 sec. / 5 sec. / 13 sec. / 20 sec. / 37 sec.
Technology	Online double conversion	VFI-SS-111 according to IEC 62040-3
Phases	Input / Output	1-phase / 1-phase
Input	Nominal voltage	220, 230, 240 VAC
	Input voltage range	160-300 VAC, ±5%
	Input frequency range	40-70 Hz (automatically sensing)
Output AC	Output voltage	220, 230, 240 VAC
	Voltage tolerance	±1%
	Frequency range	47~53 Hz (@ 50 Hz) or 57~63 Hz (@ 60 Hz)
	Switchover time AC <-> Bypass	0 ms
	Switchover time Inverter <-> Bypass	4 ms (typical)
	Overload capability @ normal mode (<40°C)	105~110% for 10 mins, 110~130% for 1 min, 130~150% for 30 sec, >150% immediate changeover to bypass
	Overload capability @ battery mode (<40°C)	105~110% after 10 minutes shut down, 110~130% after 1 minute shut down, 130~150% after 30 seconds shut down, >150% immediate shut down
Output DC	Voltage waveform	sinusoidal
	Output voltage	24 VDC
	Output power	2A
Efficiency	Normal mode	>92%
	ECO-mode	>96%
Lithium-Battery	Type	Lithium-Iron-Phosphate (LiFePo4)
	Nominal voltage	96VDC
	Nominal capacity	6Ah
	Cycle life time	>2000 at 80% DoD
	Max. charging current	2A
Communication	BMS / Monitoring	Integrated battery management system
	Interfaces	USB/RS232/CAN optional
	Slot for communication cards	Mini-Slot for optional SNMP- or relay card
	Display	LCD and LED
Dimensions / Weight	(HxBxT in mm)	670 x 508 x 93
	kg	20
	Protection class	IP21
Connections	Input	hardwired
	Output	hardwired
Environmental conditions	Temperature	0~40°C
	Humidity	20~90% (not condensing)
	Operation noise	<44 dB (1 m)
Standards	Security	IEC/EN62040-1, IEC/EN60950-1
	EMC	IEC/EN62040-2 Klasse C2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8
	Approvals	CE

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