

# Overview of the performance data of Lift 4500 UPS

<b>Rated power in VA/W</b>	3000/3000
<b>Initial delay</b>	<b>150% load: 30 sec. (4500W)</b>   100% load: 5 min.   70% load: 13 min.   50% load: 20 min.   20% load: 37 min.
<b>Technology</b>	Online data converter VFI-SS-111 according to IEC 62040-3
<b>Phases</b>	Input / output 1-phase
<b>Input</b>	
Rated voltage configurable	220, 230, 240 VAC
Input voltage range	160-300 VAC, $\pm 5\%$
Input frequency range	40-70 Hz (automatic detection)
<b>Output AC</b>	220, 230, 240 VAC output voltage
Voltage regulation	$\pm 1\%$
Frequency range	47~53 Hz (at 50 Hz) or 57~63 Hz (at 60 Hz)
Switching time AC <-->	None
<b>Bypass</b>	4ms (typical)
Switching time Inverter <--> Bypass	
Overload normal mode and <40°C	105~110% for 10 minutes, 110~130% for 1 minute, 130~150% for 30 seconds, >150% immediate change-over in bypass
Overload normal mode in battery mode and 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
Voltage form	Sinus
<b>Output DC</b>	Output voltage 24 VDC
Output power	2A
<b>Efficiency</b>	Normal mode >92%
ECO mode	>96%
<b>Lithium battery</b>	Lithium iron phosphate (LiFePo4)
Nominal voltage	96VDC
Nominal capacity	6Ah
Cycle life	>2000 at 80% DoD
Maximum charging current	2A
Fire alarm / monitoring	Integrated battery management system
<b>Communication</b>	Interfaces: USB/RS232/CAN optional
Expansion slot	Mini slot for optional SNMP or relay card
Display	LCD display and LED displays
<b>Dimensions</b>	Dimensions (H x B x T in mm): 670 x 508 x 93
Weight UPS in kg	20
<b>Protection class</b>	IP21
<b>Connections</b>	Input / output permanent connection
Ambient conditions	Temperature 0~40°C
Humidity	20~90% (non-condensing)
Operating noise	<44 dB (1 m)
<b>Protection/standards</b>	
Safety	SIEC/EN62040-1, IEC/EN60950-1
EMC	IEC/EN62040-2 class C2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8
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