

UDE Series UPS 6 - 10 kVA 120 Vac 1PH



Online double conversion Tower UPS with built-in charging.

UDE Series UPS is the ideal power system for Industrial applications, banking, and Small Medium Enterprise (SME) servers, computers and communication systems.

FEATURES

Clean power

DSP controlled online double conversion UPS with sine wave output
Power factor corrected conversion minimizes input current THD to less than 1%

Low energy consumption

High input power factor of 0.99 minimizes energy consumption
Line-interactive ECO mode available for increased energy savings

Advanced battery management

Built-in charger up to 10A with settable voltage and current

Flexible and compatible

N+X parallel redundancy
Wide input voltage compatible with poor grid or generator voltage
Cold start up without AC mains power
Parallel UPS share common battery
Integrated maintenance bypass switch
UPS management PC software - UPServer

Power Options

Matching UDE Series Battery Tower

Management Options

Relay card
SNMP card
Parallel card

ONLINE DOUBLE CONVERSION UPS
UDE Series UPS
6 – 10 kVA 120 Vac 1Ph

SPECIFICATIONS

Model	UDE 9106 S	UDE 9106 H	UDE 9110 H
Capacity	6 kVA / 5.4 kW	6 kVA / 5.4 kW	10 kVA / 9 kW
Efficiency	up to 90%		
Charge current	1.0 A	10 A	10 A
DC voltage	±96V default, ±108V or ±120V settable		
Battery	Internal Battery (S) 20 x 12V 9AH	External Battery UDE BT40007 20 x 12V 7AH x 2 250 x 616 x 502 mm (90 kg)	External Battery UDE BT40009 20 x 12V 9AH x 2 250 x 616 x 502 mm (110 kg)
Bypass breaker	40 A	40 A	60 A
Input / Output	Hardwired AC and DC connections		
Net weight Kg	70	20	45
H x W x L mm	616 x 250 x 502	438 x 220 x 480	616 x 250 x 502

AC Input

Rated voltage	120/127 Vac 50/60Hz 1 Phase (Single phase + Ground)
Voltage range	72 - 150Vac
Input power factor	≥0.99
Input frequency	45 -55 Hz, 54 - 66 Hz (auto)
Current THD	≤1% at full load, non-linear
Bypass range	V max +25% (default +15%), V min -40% (default -20%) Hz max +10% (default+1%), Hz min -10% (default -1%)

AC Output

Rated voltage	120/127 Vac ±2%, 50/60Hz 1 Phase (Single phase + Ground)
Power factor	0.9
Output frequency	50Hz or 60 Hz synchronous with the network / 50 Hz or 60 Hz selectable for battery mode
THD	≤2% linear load, ≤5% non-linear load
Crest factor	3:1

General Specifications

Communication	RS232, USB, SNMP card (optional), relay card (optional), parallel card (optional)
Protocol / Software	Megatec / UPServer PC software
Noise	<50 dB
Temperature	Operating 0 to +40° C, Storage -25 to +55° C
Altitude	>1500 m output is de-rated
Humidity	≤95% non-condensing

Standards

Safety / EMC	CE, EN/IEC 62040-1-1, EN/IEC 62040-2
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