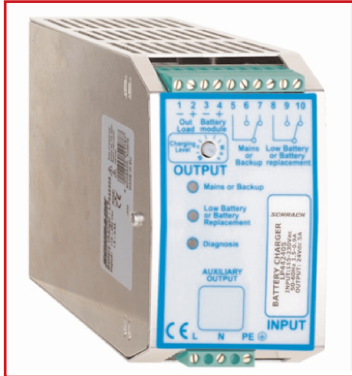


DATASHEET: LP442410



INPUT

Input Single - phase	115 – 277 Vac
Rated voltage range	90 – 135 180 – 305
Frequency	47 – 63Hz
Input current (115Vac – 230Vac)	3,3A – 2,2A
Internal fuse (not replaceable)	6,3A
External fuse (recommended) MCB curve B	16A

OUTPUT

BATTERY OUTPUT	
Output voltage Battery boost charge /Nominal current	Max 24 Vdc / 10A
Output voltage Battery trickle charge /Nominal current	27,5 Vdc
Battery charging current	Max. 10A ±5%
Adjustment range (Icharge adj)	20 – 100% In
max. Battery capacity	100Ah
LOAD OUTPUT	
Nominal voltage / nominal current	24 Vdc
Output voltage range (at In)	22 – 28,8Vdc
Max. nominal current	1,1 x 10A ±5%
Load current (Main)	max. 30A
Load current (Back up)	max. 20A
Start up with capacity load (max.)	Unlimited
Switching on after applying mains voltage	max 1sec
Residual ripple	≤60mVpp
Efficiency	≥ 83%
Overload protection	YES
Over voltage protection	YES
Short-circuit protection	YES

CLIMATIC DATA

Ambient temperature (operation)	-25°C - +70°C
Ambient temperature (storage)	-40°C - +85°C
Humidity; at 25°C no condensation	95% to 25°C

GENERAL DATA

Isolation Voltage (Input/Output)	3000Vac
Isolation Voltage (Input / PE)	1605Vac
Isolation voltage (Output/PE)	500Vac
Electrical safety	EN60950 / UL1950 / EN60335-2-29
EMC Standards	Immunity: IEC 61000-6-2. CE Emission: IEC 61000-6-3
Further standards	DIN41773 (charging cycle)
Degree of protection	IP 20
Protection class	I with PE
Auxiliary contact	1A – 30Vdc
dimension (w-h-d)	65x115x135
weight	~0,6 kg

acc. to EMC 89/336/EEC

low voltage directive 2006/95

