

# EPS EN50171

|| 1 ÷ 5 kVA

UPS On-line double conversion 1/1 Phase

## Introduction

EPS is an UPS series for the supply of emergency lightings, as per EN50171 standards, which imposes specified parameters for sizing the UPS and dividing it in CPSS (Central Power Supply System) o LPSS (Low Power Supply System).

<b>Input Voltage</b>	230 Vac 1phase + N ± 20 %
<b>Input Frequency</b>	50 – 60 Hz ± 10 %
<b>Output Voltage</b>	220 Vac 1phase + N ± 1 %
<b>Output Frequency</b>	50 – 60 Hz ± 1 %
<b>Crest Factor</b>	3:1
<b>Wave Form</b>	sinusoidal
<b>Output THD</b>	3 % linear load 6 % no-linear load
<b>Bypass Voltage</b>	220 ÷ 240 Vac
<b>Bypass Frequency</b>	50 – 60 Hz ± 5 %
<b>Batteries</b>	VRLA/AGM/GEL
<b>Recharging time</b>	7 hours at 90 %
<b>Transfer time AC/DC</b>	Zero
<b>Transfer time Inverter / Bypass</b>	2,5 ms
<b>Overload</b>	105-130 % 10 min > 130 % 1 min.
<b>Display</b>	% load % backup time, net operation, batteries operation, bypass, fault
<b>Alarms</b>	Overload, low charge of batteries, fault, no network
<b>Temperature</b>	0 / +40°C
<b>Humidity</b>	< 95 % not condensing
<b>Noise</b>	≤ 60 db / 1 mt
<b>Communication</b>	RS232 optional SNMP optional
<b>Standards</b>	EN62040-1-1, dir. 73/23/EC, EN50091-2 cl. A, dir 2004/108/EC, CE



## Standard configuration

Code	Power		Backup time min	Dim. UPS (mm) (WxHxD)	Dim. BOX (mm) (WxHxD)	Weight Kg
	VA	W				
PVEPSL060009	860	600	60'	192x340x460		40
PVEPSL100018	1430	1000	60'	192x340x460	192x340x460	36/42
PVEPSC150027	2150	1500	60'	192x340x460	192x340x460	36/58
PVEPSC200014	2850	2000	60'	260x570x720	260x570x720	108/78
PVEPSC250018	3570	2500	60'	260x570x720	260x570x720	108/87
PVEPSC300021	4290	3000	60'	260x570x720	260x570x720	108/87
PVEPSC400027	5700	4000	60'	260x570x720	260x570x720	115/143
PVEPSC500036	7140	5000	60'	260x570x720	260x570x720	115/143
PVEPSL060018	860	600	120'	192x340x460	192x340x460	36/42
PVEPSL100027	1430	1000	120'	192x340x460	192x340x460	36/58
PVEPSC150018	2150	1500	120'	260x570x720	260x570x720	108/78
PVEPSC200021	2850	2000	120'	260x570x720	260x570x720	108/87
PVEPSC250027	3570	2500	120'	260x570x720	2x260x570x720	66/2x140
PVEPSC300036	4290	3000	120'	260x570x720	2x260x570x720	118/2x140
PVEPSC400045	5700	4000	120'	260x570x720	2x260x570x720	122/2x140