

# LEAB Champ & Champ Pro Chargers

INFO

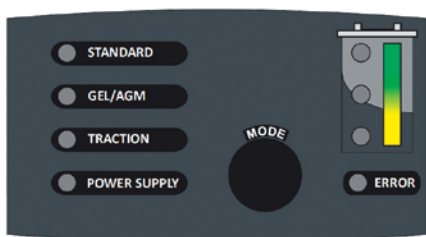
IP67 waterproof and dust-tight  
now also available with higher output

Like their predecessors, the **LEAB** Champ chargers of the new Pro series in IP67 enclosures are extremely compact, light and robust as well as fully waterproof and dust-tight. They are used to charge wet, gel and AGM batteries fully automatically.

The chargers of the **Champ Pro** series can be converted to different battery types using a keypad and can even be used as a power supply independent of the battery.

## Champ Pro chargers:

- higher output
- state of charge display
- keypad for setting
- temperature sensor integrated in DC cable
- simple to use



Champ Pro display

12 V



NEW!

Champ Pro 1217, 1230, 2412, 2420

## Champ Chargers 12V

Type	Art. no.	Charging curve	Charge current [A]	Battery capacity [Ah]	AC cable [m] / type	DC cable	DC fuse [A]
Champ 1207	01.010.33330	Gel/AGM	7	20 - 70	2 / Schuko plug	Cable shoe M8	10
Champ 1207	01.010.33315	Gel/AGM	7	20 - 70	0.2 / DEFA plug	Cable shoe M8	10
Champ 1207	01.010.33316	Wet	7	20 - 70	0.2 / DEFA plug	Cable shoe M8	10
Champ 1207	01.010.33319	Wet	7	20 - 70	2 / Schuko plug	Cable shoe M8	10
Champ 1217	01.010.33810	Gel/AGM	17	55 - 170	2 / Schuko plug	Cable shoe M8	20
Champ 1217	01.010.33811	Wet	17	55 - 170	2 / Schuko plug	Cable shoe M8	20
Champ 1217	01.010.33819	Gel/AGM	17	55 - 170	0.2 / DEFA plug	Cable shoe M8	20
Champ 1217	01.010.33820	Wet	17	55 - 170	0.2 / DEFA plug	Cable shoe M8	20
Champ 1217	01.010.33825	Gel/AGM	17	55 - 170	2 / Schuko plug	MagCode PRO*	-
Champ 1217	01.010.33826	Wet	17	55 - 170	2 / Schuko plug	MagCode PRO*	-

## Champ Pro Chargers 12V

Champ 1217 Pro	01.010.43880	Wet/gel/AGM Traction/power supply	17	55 - 170	2 / Schuko plug	Cable shoe M8	-
Champ 1230 Pro	01.010.43890	Wet/gel/AGM Traction/power supply	30	100 - 300	2 / Schuko plug	Cable shoe M8	-

\* incl. port/plug permanently attached

Technical Data	Champ 1207	Champ 1217	Champ 1217 Pro	Champ 1230 Pro
Characteristic curve	IU1U2, pre-assigned, cannot be changed		IU1U2, pre-assigned, choice of 4 charging curves	
Input voltage [V]/[HZ]	230 / 40 - 60			
min. / max. input voltage [V]	90/ 270	195/ 270	195/ 270	195/ 270
DC cable [m]	1.5x1.5mm <sup>2</sup>	1.5x2.5mm <sup>2</sup>	1.5x2.5mm <sup>2</sup>	1.5x6mm <sup>2</sup>
Temperature sensor	-	-	integrated	integrated
Temperature range [°C]*	-30 to +55	-30 to +55	-25 to +70	-25 to +70
Cooling	convection			
IP-class/protection class	IP 67/I			
Weight [kg]	1.1	1.4	1.6	1.9
Dimensions [mm]	155 x 80 x 43	192 x 98 x 47	192 x 98 x 47	192 x 98 x 47
Short-circuit proof	yes			
Reverse voltage protection	yes			
Mark of conformity	CE			

\*reduced current from 40°C

**LEAB Champ chargers** are provided with different connecting plug systems such as the magnetic MagCode PRO plug, the DIN 14690 plug or the DEFA plug directly from **LEAB**. 115V versions are available on request.

These compact and sturdy chargers are particularly suitable as on-board chargers in emergency doctors' vehicles, for example.

**Champ Chargers:**

- sturdy, light & compact
- IP67 waterproof and dust-tight
- charging of cyclically operated batteries
- maintenance charging for starter batteries
- charging characteristic IU1U2 permanently set
- with different DC & AC connector plugs



Champ 1207 with DEFA connection

Further models:  
[www.leab.eu/en](http://www.leab.eu/en)



Champ 2405 GEL/AGM



Champ 2412 Wet battery



Cable shoes M8



MagCode Pro-system



DIN 14690 plug



DEFA plug

24 V

**Champ Chargers 24V**

Type	Art. no.	Charging curve	Charge current [A]	Battery capacity [Ah]	AC cable [m] / type	DC cable	DC fuse [A]
Champ 2405	01.010.33351	Gel/AGM	5	15 - 50	1.5 / Schuko plug	Cable shoe M8	10
Champ 2412	01.010.33850	Gel/AGM	12	25 - 120	1.5 / Schuko plug	Cable shoe M8	20
Champ 2412	01.010.33852	Gel/AGM	12	25 - 120	0.2 / DEFA plug	Cable shoe M8	20
Champ 2412	01.010.33854	Wet	12	25 - 120	1.5 / Schuko plug	Cable shoe M8	20

**Champ Pro Chargers 24V**

Champ 2412 Pro	01.010.43881	Wet/gel/AGM Traction/power supply	12	40 - 120	2/ Schuko plug	Cable shoe M8	-
Champ 2420 Pro	01.010.43891	Wet/gel/AGM Traction/power supply	20	65 - 200	2/ Schuko plug	Cable shoe M8	-

Technical data	Champ 2405	Champ 2412	Champ 2412 Pro	Champ 2420 Pro
Charging curve	IU1U2, pre-assigned, cannot be changed		U1U2, pre-assigned, choice of 4 charging curves	
Input voltage [V]/[HZ]	230 / 40 - 60			
min. / max. input voltage [V]	90/ 270	170/ 270	195/ 270	195/ 270
DC cable [m]	1.5x1.5mm <sup>2</sup>	1.5x2.5mm <sup>2</sup>	1.5x2.5mm <sup>2</sup>	1.5x6mm <sup>2</sup>
Temperature sensor	-	-	integrated	integrated
Temperature range [°C]*	-30 to +55	-30 to +55	-25 to +70	-25 to +70
Cooling	convection			
IP-class/protection class	IP 67/I			
Weight [kg]	1.1	1.4	1.6	1.9
Dimensions [mm]	155 x 80 x 43	192 x 98 x 47	192 x 98 x 47	192 x 98 x 47
Short-circuit proof	yes			
Reverse voltage protection	yes			
Mark of conformity	CE			

\*reduced current from 40°C