

## User manual **PCL2420 24V/2A Lead-Acid battery charger.**

### **For your safety**

- To prevent damage to this charger or injury to yourself or to others, please read the following operation instructions before using the charger. Keep these operation instructions for your reference when needed.

### **Operation instructions**

- Connect the AC power plug to correct AC power source only.
- Connect the battery pack to the 3 pin DC output connector.
- Make sure the battery polarity is connected correctly, pin 1(+), pin 2 and pin 3(-).
- When charging, first connect the AC power source, then connect the DC output connector to the battery pack.
- The charger is for charging of rechargeable 24V Lead-Acid batteries only. The batteries must be of the type Lead-Acid Open/GEL/AGM, capacity range 10Ah-20Ah.

### **Specifications**

• Input voltage:	100 - 240 Vac 50-60 Hz
• 3 stage charging mode:	IUI
• Stage 1:	Charging current 2.0 A
• Stage 2:	Charging voltage 28.8 Vdc
• Stage 3:	Floating voltage 27.0 Vdc
• Cut-off current (stage 2>3):	Cut off current 0.20 A
• Max. output power:	60 W
• Protection class:	IP21
• Protection:	Over current, over voltage Short circuit, polarity error
• Operation temperature:	0 - +40 °C
• Storage temperature:	-40 - +70 °C
• Operating humidity:	20% - 90%
• Storage humidity:	10% - 95%

### **LED indications**

• Standby:	Green
• Charging:	Red
• Charging complete:	Green

### **Caution**

- The charger is for indoor use only.
- Place the charger on a level surface in a well ventilated room. Keep the charger dry and away from water or humid environments.
- Do not place objects on the charger and avoid covering the charger in any other way.
- Avoid flames and sparks in the charging area when charging as this process can generate explosive gasses.
- Do not disassemble the charger, high-voltage inside, danger!