

Offgridtec PWM Pro Charge Controller 12/24

Characteristics

- ❖ High-quality components from ST, IR and Infineon guarantee long service life
- ❖ Comprehensive electronic protection
- ❖ Modern, 3-stage PWM charge control for efficient and protective battery charging
- ❖ Sealed, Gel & Flooded can be set as battery type
- ❖ 2 USB ports with max. 2.4A output power
- ❖ Ambient temperature from -25 to 55°C possible
- ❖ Intuitive handling with large LCD display.



Specifications	PWM Pro 10 A	PWM Pro 20 A	PWM Pro 30 A	PWM Pro 45 A
Article number	1-01-010910	1-01-010915	1-01-010920	1-01-010925
EAN	4250983255546	4250983255553	4250983255560	4250983255577
Nominal voltage	12/24 V DC Auto			
Battery input voltage	9~32V			
Rated current	10 A	20 A	30 A	45 A
Max. PV voltage	12 V battery: 22 V PVmax / 24 V battery: 50 V PVmax			
Temperature compensation coefficient	-3 mV / °C / 2V (25°C)			
Self-consumption	≤8.1mA(12V);≤6.5mA(24V)			
Charge circuit voltage drop	≤0.29 V			
Discharge circuit voltage drop	≤0.16 V			
Operating environment temperature	-25°C~+55°C* (can work continuously at full load)			
Related humidity	≤95% (N.C.)			
Enclosure	IP 30			
Grounding	Common Positive			

**Controller performance might drop slightly at increased ambient temperature

Dimensions	PWM Pro 10 A	PWM Pro 20 A	PWM Pro 30 A	PWM Pro 45 A
Dimensions (mm)	132x84.6x39.7	149x94.1x461	177.5x106.6x46	194x118.4x63.8
Mounting dimensions (mm)	120x56	137x60	165.5x70	185x90
Mounting hole size	Φ 4.5 mm			
Terminals	4 mm ²	10 mm ²	16 mm ²	16 mm ²
Net Weight	0,18 kg	0,26 kg	0,33 kg	0,76 kg

Battery Voltage Parameters**	Sealed	GEL	Flooded
Overvoltage disconnect	16.0 V	16.0 V	16.0 V
Max. charging voltage	15.0 V	15.0 V	15.0 V
Equalize load voltage	14.6 V	-	14.8 V
Boost load voltage	14.4 V	14.2 V	14.6 V
Float load voltage	13.8 V	13.8 V	13.8 V
Under voltage restart	12.6 V	12.6 V	12.6 V
Under voltage disconnect	11.1 V	11.1 V	11.1 V

** These values apply to a 12V system at 25°C. For a 24V system the values must be doubled



About us
Offgridtec GmbH
Im Gewerbepark 11
84307 Eggenfelden

Contact
+49 8721 91994-00
info@offgridtec.com
www.offgridtec.com

