

# PWM CONTROLLERS - 12/24V



ARM-P-15A ARM-P-20A ARM-P-30A ARM-P-40A

## KEY FEATURES

- **15~40A** PWM safe and reliable solar charge controller
- Maximum PV input **50V (Voc)**
- Support **both 12 and 24V** systems
- Supports up to 4 battery types: NiCd, Gel/AGM, Flooded, and Sealed lead acid.
- DIP switch to adjust battery type
- Low voltage disconnect (LVD)
- Low voltage reconnect (LVR)
- Low standby current (<30mA)
- 5 LED lights to display system status
- 120% Overload, over-temperature, output short circuit, and reverse current protections
- Basic load control terminal
- **100% Made in Taiwan** using quality components

## ELECTRICAL SPECIFICATIONS

Characteristic	PWM controller			
Nominal System Voltage	12 / 24V			
Voltage Selection	By Switch			
Max PV Input Voltage	50V (Voc)			
Max Charging Current	15A	20A	30A	40A
Charging Stage	Bulk—Absorption (PWM)—Float			
Boost Voltage	14~15V (depending on battery type)			
Float Voltage	13.2~14.5V (depending on battery type)			
Battery Type Supported	NiCd, Gel/AGM, Flooded, Sealed Lead acid			
LVD/LVR	LVD: 10/20V, LVR: 12.5/25V (±0.5V)			
LED Indicator	5 LED (24v, fault, charger, load, solar err)			
Protections	Low Voltage Disconnect, Overload, Over-temperature, Output short circuit, Reverse Current			
Over Temperature	65° ± 5°			
Standby Current	< 30mA			
Load Control	Basic load control, no timer			

## GENERAL SPECIFICATIONS

Operating Temp.	0°C~40°C (ambient)		
Enclosure Type	Indoor		
Working Humidity	20%~90%RH non-condensing		
Dimension	120*73*45mm	189*130*52mm	226*118*62mm
Weight	300g	400g	700g

\*Product specifications are subject to change without prior notice. ARM Solar is a registered trademark of ARM Solar Inc

