



# ARC20-MPPT ARC30-MPPT ARC40-MPPT



## ARMADA ARC20-MPPT, ARC30-MPPT, ARC40-MPPT Digital MPPT Solar Charge Controller



### Features:

- 12V/24V Compatible
- 99% MPPT Tracking Efficiency
- Auto Temperature Compensation
- Waterproof IP32 Rating
- Digital LCD Display
- 20 Amp Load Control
- 100V Solar Input
- Optional Remote Meter (ARC-REM)
- 5 Year Warranty



# ARC20-MPPT

# ARC30-MPPT

# ARC40-MPPT

Parameter	Value		
Model	ARC20-MPPT	ARC30-MPPT	ARC40-MPPT
System voltage	12V/24V Auto		
No-load loss	0.7 W to 1.2W		
Battery voltage	9 to 35		
Max. solar input voltage	100V (25°C), 90V (-25°C)		
Max. power point voltage range	Battery voltage +2V to 75V		
Rated charging current	20A	30A	40A
Rated load current	20A		
Max. capacitive load capacity	10000uF		
Max. photovoltaic system input power	260W/ 12V 520W/ 24V	400W/ 12V 800W/ 24V	550W/ 12V 1100W/ 24V
Conversion efficiency	≤ 98%		
MPPT tracking efficiency	> 99%		
Temperature compensation factor	-3.0mv/ °C/ 2V (default)		
Operating temperature	-35°C to +45℃		
Protection degree	IP32		
Weight	1.4kg	2kg	2kg
Communication method	RS232		
Altitude	≤ 3000m		
Product dimensions	210*151*59.5mm	238*173*72.5	238*173*72.5