

# MRC-KT0002

## Technical Datasheet



### Features

- Unattended charging
- Charge module automatically detects open or shorted cells
- Charging stops whenever a fault is detected
- Individual charging of each cell string prevents cell imbalances, assures positive recharge
- Performs well in hot, cloudy and other diverse environments
- UV resistant and weatherproof
- Rugged construction

### Accessories Included

- PCP-279-00-01: Solar cable assembly

### Accessories Optional

- MRC135A-014: AC to DC Power Supply
- PCP278-00-01: Cigarette lighter adapter

#### Technical Specifications

<b>Part No.</b>	MRC-KT0002
<b>Weight</b>	Approx. 2.7kg (6lb)

#### Technical Specifications

<b>Part No.</b>	MRC-135A Charging Module
<b>DC Input</b>	11-36VDC
<b>Solar Input</b>	2 x 30W panels 1 x 57W panel
<b>Charge Rate</b>	1.0A per string
<b>Charge Time</b>	BB-390/U: approx. 4-5 hrs. BB-590/U: approx. 2-3 hrs. UBI-2590, UBI-2590 SMBus: approx. 7-8 hrs. UBI-2590/HC SMBus: approx. 8-9 hrs. BB-2590/U: approx. 7-8 hrs.

#### Battery Types

BB-390/U - Nickel Metal Hydrate (NiMH)  
 BB-590/U - Nickel Cadmium (NiCd)  
 BB-2590 / UBI-2590 (UBBL02) / MRC-2590 / UBBL09  
 / UBI-2590 SMBus (UBBL10) / UBI-2590 HC SMBus  
 (UBBL13) - Lithium-Ion (Li-ion)

#### User Interface

Flashing: Fault  
 Steady: Charging  
 OFF: Full Charge

<b>Size</b>	12.2cm (4.8in) x 5.1cm (2.0in) x 8.1cm (3.2in)
<b>Weight</b>	635g (1.4lb)
<b>Operating Temperature</b>	-30°C to 55°C
<b>Storage Temperature</b>	-50°C to 65°C
<b>Operating Altitude</b>	55,000 ft. (16,764m)
<b>Storage Altitude</b>	27,000 ft. (8,230m)
<b>Humidity</b>	95%

#### Technical Specifications

<b>Part No.</b>	MRC135A-32-02 Solar Panel
<b>Rated Power</b>	57W
<b>Operating Voltage</b>	21.6V
<b>Operating Current</b>	2.4A
<b>Weight</b>	1.2kg (2.6lb)
<b>Size</b>	Folded: 26.2cm (10.3in) x 30.7cm (12in) x 5.3cm (2.1in) Unfolded: 198.1cm (78in) x 83.8cm (33in)