



FLEXmax™ Micro Series

30A and 40A MPPT Charge Controllers

OutBack Power has worked with a strategic global partner to develop and bring to market a series of products to extend and enhance its current charge controller offering. The new OutBack FLEXmax Micro Series Maximum Power Point Tracking (MPPT) 30A and 40A charge controllers are designed for use in the international market. **These products are CE approved, manufactured in fully-compliant ISO certified facilities and carry a standard two-year warranty.** For more information, please contact your local OutBack Representative or visit www.outbackpower.com.



OutBack FLEXmax Micro Series Highlights

- 30A and 40A sizes for 12V/24V applications
- Feature MPPT technology
- Four-stage, temperature compensated battery charging for optimized battery life and improvement of overall system performance
- Unique, die-cast aluminum chassis designed to provide natural, passive heat dissipation, increasing operating efficiency
- Operating temperature range of -35 to 55°C (-31 to 131°F)
- CE approved, manufactured in fully-compliant ISO certified facilities
- Standard two-year warranty





OutBack Power

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| Models: | FM-30 | FM-40 |
|--|---|--|
| Nominal System Voltage | 12/24V auto work | 12/24V auto work |
| Rated Battery Current | 30A | 40A |
| Rated Load Current | 20A | 20A |
| Maximum PV Open Circuit Voltage | 150V | 150V |
| Maximum Battery Voltage | 32V | 32V |
| Maximum PV Input Power | 390W (12V) | 520W (12V) |
| Equalize Charging Voltage | Sealed: 14.6V Flooded: 14.8V User: 9-17V | Sealed: 14.6V Flooded: 14.8V User: 9-17V |
| Boost Charging Voltage | Gel: 14.2V Sealed: 14.4V Flooded: 14.6V User: 9-17V | Gel: 14.2V Sealed: 14.4V Flooded: 14.6V User: 9-17V |
| Float Charging Voltage | Gel / Sealed / Flooded: 13.8V User: 9-17V | Gel / Sealed / Flooded: 13.8V User: 9-17V |
| Low Voltage Reconnect Voltage | Gel / Sealed / Flooded: 12.6V User: 9-17V | Gel / Sealed / Flooded: 12.6V User: 9-17V |
| Low Voltage Disconnect Voltage | Gel / Sealed / Flooded: 11.1V User: 9-17V | Gel / Sealed / Flooded: 11.1V User: 9-17V |
| Self-Consumption | ≤50mA (12V), ≤27mA(24V) | ≤50mA (12V), ≤27mA(24V) |
| Grounding | Common negative | Common negative |
| Temperature Compensation | -3mV / °C / 2V | -3mV / °C / 2V |
| Communication Port | RS485 / RJ45 interface | RS485 / RJ45 interface |
| Dimensions (in/mm) | 11.06 x 6.30 x 2.36 / 281 x 160 x 60 | 11.93 x 7.20 x 2.52 / 303 x 183 x 64 |
| Terminal | 16mm ² | 25mm ² |
| Weight (lb/kg) | 5.1 / 2.3 | 6.4 / 2.9 |
| Enclosure | IP30 | IP30 |
| Working Temperature | -31 to 131°F / -35 to 55°C | -31 to 131°F / -35 to 55°C |
| Storage Temperature | -31 to 176°F / -35 to 80°C | -31 to 176°F / -35 to 80°C |
| Humidity | ≤95% non-condensing | ≤95% non-condensing |
| Connection Ports |  |  |

