



# 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](http://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



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

**Worldwide Corporate Offices**

