



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



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		

Worldwide Corporate Offices

