

## TECHNICAL SPECIFICATIONS

Model	CP2430
Ratings	30A @ Current Limit Mode
I/P Voltage	Floating 34V ~ 42V for charging
DC Output	DC 24V (Nominal Output)
DC Charging Output	Auto boost and float charging
Line Regulation (CLM)	0.1 % per V
Load Regulation (CLM)	1%
Visual Indication	LEDs - SOLAR, BATTERY and LOAD
Protection	Solar Input Reversed Polarity Protection Battery Reversed Polarity Protection Output Over-Current and Short-Circuit Electronic Fuse Protection Battery Over-Charging Protection Battery Over-Discharging Cut-Off Protection
I/O Connections	Terminal Blocks for Solar Input, Battery and DC Load
Ambient Temp.	0 ~ 60°C
Relative Humidity	0 ~ 95% non-condensing
Size	W120 x D214 x H55 mm <sup>3</sup>
Weight (approx.)	1.8KG

**MicroMate**<sup>®</sup>  
Low Loss Solar Charger Controller



\* Due to the policy of continued product improvement, specifications are subject to change without notice.



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## TECHNICAL SPECIFICATIONS

Model	CP12-40
Ratings	40A @ Current Limit Mode
I/P Voltage	Floating 17V ~ 21V for charging
DC Output	DC 12V (Nominal Output)
DC Charging Output	Auto boost and float charging
Line Regulation (CLM)	0.1 % per V
Load Regulation (CLM)	1%
Visual Indication	LEDs - SOLAR, BATTERY and LOAD
Protection	Solar Input Reversed Polarity Protection Battery Reversed Polarity Protection Output Over-Current and Short-Circuit Electronic Fuse Protection Battery Over-Charging Protection Battery Over-Discharging Cut-Off Protection
I/O Connections	Terminal Blocks for Solar Input, Battery and DC Load
Ambient Temp.	0 ~ 60°C
Relative Humidity	0 ~ 95% non-condensing
Size	W120 x D214 x H55 mm <sup>3</sup>
Weight (approx.)	1.8KG

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## TECHNICAL SPECIFICATIONS

Model	CP12-20
Ratings	20A @ Current Limit Mode
I/P Voltage	Floating 17V ~ 21V for charging
DC Output	DC 12V (Nominal Output)
DC Charging Output	Auto boost and float charging
Line Regulation (CLM)	0.1 % per V
Load Regulation (CLM)	1%
Visual Indication	LEDs - SOLAR, BATTERY and LOAD
Protection	Solar Input Reversed Polarity Protection Battery Reversed Polarity Protection Output Over-Current and Short-Circuit Electronic Fuse Protection Battery Over-Charging Protection Battery Over-Discharging Cut-Off Protection
I/O Connections	Terminal Blocks for Solar Input, Battery and DC Load
Ambient Temp.	0 ~ 60°C
Relative Humidity	0 ~ 95% non-condensing
Size	W110 x D215 x H55 mm <sup>3</sup>
Weight (approx.)	1.2KG

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