

MIDNITE SOLAR



1936 Pan Am Clipper

Clipper & Classic

Clipper

The MidNite Clipper was designed to work in conjunction with the Classic MPPT Controller to give you safe reliable control of your wind turbine while also giving you true three stage charging of your batteries. The combination of the Clipper and the Classic has been proven to increase daily harvest up to 250% as well as peak power by 300% on some turbines.

- Three stage charging
- Reduces wear & tear on turbine
- Reduces noise from turbine
controllable noise level
- AC and DC models from 1500 to
4000 watts

Classic MPPT Charge Controller

The Classic substantially increases the flexibility, features and range currently found on MPPT controllers. It is also now the standard wind controller supplied by many US, Canadian and African wind turbine companies.



MidNite
Clipper

Classic MPPT
Charge Controller

www.midnitesolar.com

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MIDNITE SOLAR INC.

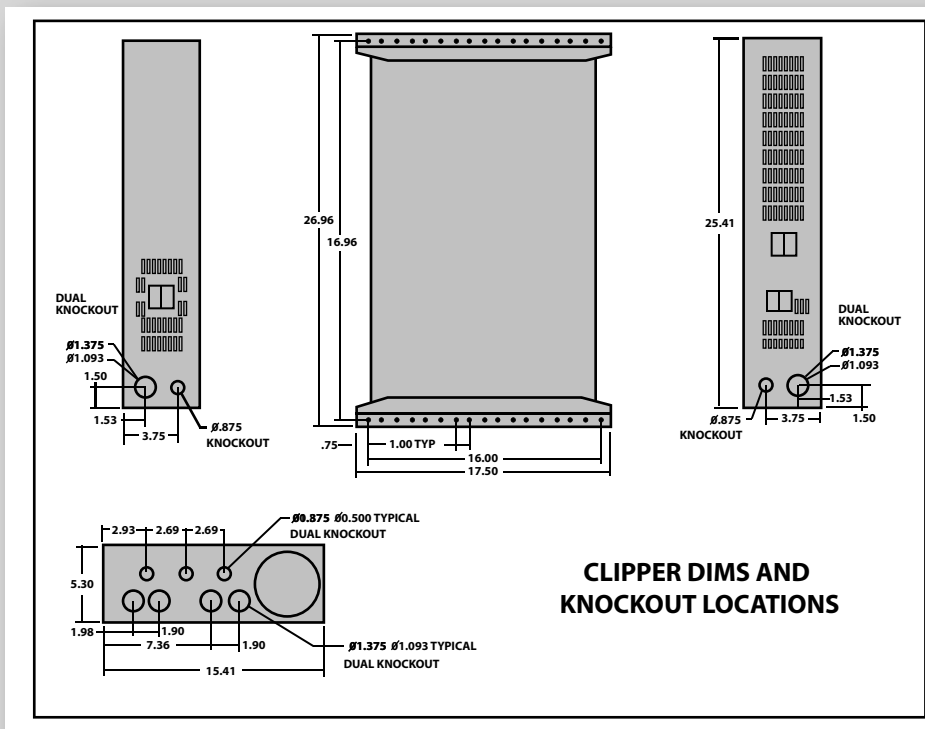
AC & DC CLIPPERS

Clipper & Classic



PRODUCT SPECIFICATIONS

| | MNCLIP1.5KAC | MNCLIP4.0KAC | MNCLIP1.5KDC | MNCLIP4.0KDC |
|--|---|---|---|---|
| Enclosure Rating | INDOOR | INDOOR | INDOOR | INDOOR |
| Enclosure Material | Powder coated steel | Powder coated steel | Powder coated steel | Powder coated steel |
| Maximum & Continuous Wattage | 2,000 Maximum and 1,500 Continuous Watts | 5,000 Maximum and 4,000 Continuous Watts | 2,000 Maximum and 1,500 Continuous Watts | 5,000 Maximum and 4,000 Continuous Watts |
| Input | 3 Phase AC | 3 Phase AC | DC | DC |
| Output | Clipped to 250 volts DC or less | Clipped to 250 volts DC or less | Clipped to 250 volts DC or less | Clipped to 250 volts DC or less |
| Stop Switch Included | YES | YES | YES | YES |
| Wire Range For Input | 6 to 2/0 AWG (1.63 to 9.27mm) | 6 to 2/0 AWG (1.63 to 9.27mm) | 6 to 2/0 AWG (1.63 to 9.27mm) | 6 to 2/0 AWG (1.63 to 9.27mm) |
| Wire Range For Output | 14 to 6 AWG (1.63 to 4.11mm) | 14 to 6 AWG (1.63 to 4.11mm) | 14 to 6 AWG (1.63 to 4.11mm) | 14 to 6 AWG (1.63 to 4.11mm) |
| Self Powered From Turbine | YES | YES | YES | YES |
| Stop Switch Amperage | 60 Amps | 60 Amps | 50 Amps | 50 Amps |
| Communicates With Classic | YES | YES | YES | YES |
| Standard Resistance Values Available | 0.8 and 2.0 ohms per phase | 0.4, 1.0, 1.6 and 4.0 Ohms per phase | 0.7, 2.4 and 6 Ohms | 0.5, 1.2, 1.3, 3.0, 4.8 and 12 Ohms |
| Classic & Required Breaker Can Be Mounted to the Clipper | Requires MNCCB-L charge controller bracket and breakers. (Not Included) | Requires MNCCB-L charge controller bracket and breakers. (Not Included) | Requires MNCCB-L charge controller bracket and breakers. (Not Included) | Requires MNCCB-L charge controller bracket and breakers. (Not Included) |
| SPD Ready | YES | YES | YES | YES |
| Listing | NONE | NONE | NONE | NONE |



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