



SEP0312022052812702

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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5kg
Dimension	2284*1028*38mm
Cable Dimension	180*30mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C



SEP0312022052812406

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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5kg
Dimension	2284*1028*38mm
Cable Dimension	180*30mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C

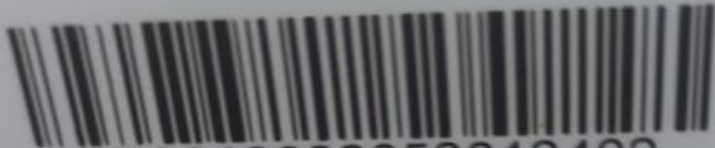


SEP0312022052812444

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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5kg
Dimension	2284*1028*38mm
Cable Dimension	180*30mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C



SEP0312022052812402



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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5kg
Dimension	2094*1038*35mm
Cable Dimension	192*83mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C



SEP0312022052811485



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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5kg
Dimension	2094*1038*35mm
Cable Dimension	192*83mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C



SEP0312022052812418



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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5kg
Dimension	2094*1038*35mm
Cable Dimension	192*83mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C



SEP0312022052815555



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## Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5Kg
Dimension	2094*1038*35mm
Cells Dimension	166*83mm
Application Class	Class A
Test condition	



SEP0312022052811484



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## Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5Kg
Dimension	2094*1038*35mm
Cells Dimension	



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## Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5Kg
Dimension	2094*1038*35mm
Cells Dimension	166*83mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C

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Tel: +1 916 336 2828



SEP0312022052812421



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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5Kg
Dimension	2094*1038*35mm
Cells Dimension	166*83mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C

Web: www.solarever.com  
Mail: contact@solarever.com  
Add: Calle de la Colonia del Valle, km 26.2, Colonia Roma  
Tel: +52 55 5623 2000



SEP0312022052812407



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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5Kg
Dimension	2094*1038*35mm
Cells Dimension	166*83mm
Application Class	Class A



SEP0312022052812483



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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.39V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.88A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind resistance	5400pa
Weight	23.5Kg
Dimension	2094*1038*35mm
Cells Dimension	166*83mm
Application Class	Class A
Test condition	1000W/m <sup>2</sup> , AM1.5, 25°C

SEP0312022052815560



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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	50.1V
Max Power Voltage(Vmp)	41.38V
Short Circuit Current(Isc)	11.48A
Max Power Current(Imp)	10.85A
Power Tolerance Range	±3%
Maximum System Voltage DC	1500V
Wind Resistance	2400Pa
Weight	22.5kg
Dimensions	2094*1026*35mm
Cells Dimension	156*83mm
Installation Class	Class A
Temp. Coefficient	0.0045/W

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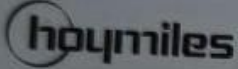


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Photovoltaic Module

Type	SE-166*83-450M-144
Peak Power(Pmax)	450W
Peak Circuit Voltage(Voc)	



Grid Support Utility Interactive Inverter  
Model: HM-1500

S/N: 116191115727

1500H.MX.HM

Range of Input Operating Voltage	16-60V d.c.
Range of Peak Power MPPT Voltage	33-48V d.c.
Start-up Voltage	22V d.c.
Max. Input Current	4*11.5A d.c.
Max. Input Short Circuit Current	4*15A d.c.
Nominal Output Voltage	240V a.c.
Max. Continuous Output Current	6.25A a.c.
Nominal Output Frequency	60Hz
Max. Continuous Output Power	1500VA
Output Power Factor Rating	>0.99 (Default)
Peak Conversion Efficiency	96.7%
Type of Enclosure	Type 6
Operating Ambient Temp.	-40 to +65°C



UL1741  
CSA C22.2  
US No.107.1-16  
261002



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

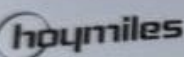
**CAUTION:** Risk of electric shock - Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel. Both AC and DC voltage sources are terminated inside this equipment. Each circuit must be individually disconnected before servicing. When the photovoltaic array is exposed to light, it supplies a DC voltage to this equipment. Hot surfaces - To reduce the risk of burns - Do not touch.

**ATTENTION:** Risque de choc électrique - ne pas enlever le couvercle. Aucune pièce interne réparable par l'utilisateur. Toute réparation doit être uniquement confiée à du personnel qualifié. A l'intérieur de l'onduleur on retrouve 2 tensions AC et DC. Chaque circuit doit être déconnecté individuellement avant chaque entretien. Lorsque le panneau photovoltaïque est exposé à la lumière, il fournit une tension DC à cet appareil. Les surfaces chaudes - pour réduire le risque de brûlure - Ne pas toucher.

Photovoltaic Rapid Shutdown Equipment  
conforms with NEC-2014 & NEC-2017 Article 690.12 & CEC-2018 Sec 64-218



Hoymiles Power Electronics Inc.  
hoymiles.com Made in China



Grid Support Utility Interactive Inverter  
Model: HM-1500

S/N: 116191115580

1500H.MX.HM

Range of Input Operating Voltage	16-60V d.c.
Range of Peak Power MPPT Voltage	33-48V d.c.
Start-up Voltage	22V d.c.
Max. Input Current	4*11.5A d.c.
Max. Input Short Circuit Current	4*15A d.c.
Nominal Output Voltage	240V a.c.
Max. Continuous Output Current	6.25A a.c.
Nominal Output Frequency	60Hz
Max. Continuous Output Power	1500VA
Output Power Factor Rating	>0.99 (Default)
Peak Conversion Efficiency	96.7%
Type of Enclosure	Type 6
Operating Ambient Temp.	-40 to +65°C



UL1741  
CSA C22.2  
US No.107.1-16  
261002



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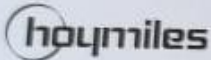
**ATTENTION:** Risque de choc électrique - ne pas enlever le couvercle. Aucune pièce interne réparable par l'utilisateur. Toute réparation doit être uniquement confiée à du personnel qualifié. A l'intérieur de l'onduleur on retrouve 2 tensions AC et DC. Chaque circuit doit être déconnecté individuellement avant chaque entretien. Lorsque le panneau photovoltaïque est exposé à la lumière, il fournit une tension DC à cet appareil. Les surfaces chaudes - pour réduire le risque de brûlure - Ne pas toucher.

Photovoltaic Rapid Shutdown Equipment  
conforms with NEC-2014 & NEC-2017 Article 690.12 & CEC-2018 Sec 64-218



Hoymiles Power Electronics Inc.  
hoymiles.com Made in China





Grid Support Utility Interactive Inverter  
**Model: HM-1500**



S/N: 116191115841

1500H.MX.HM

Range of Input Operating Voltage	16-60V d.c.
Range of Peak Power MPPT Voltage	33-48V d.c.
Start-up Voltage	22V d.c.
Max. Input Current	4*11.5A d.c.
Max. Input Short Circuit Current	4*15A d.c.
Nominal Output Voltage	240V a.c.
Max. Continuous Output Current	6.25A a.c.
Nominal Output Frequency	60Hz
Max. Continuous Output Power	1500VA
Output Power Factor Rating	>0.99 (Default)
Peak Conversion Efficiency	96.7%
Type of Enclosure	Type 6
Operating Ambient Temp.	-40 to +65°C



UL1741  
 CSA C22.2  
 US No.107.1-16  
 261002



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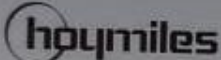
**CAUTION:** Risk of electric shock - Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel. Both AC and DC voltage sources are terminated inside this equipment. Each circuit must be individually disconnected before servicing. When the photovoltaic array is exposed to light, it supplies a DC voltage to this equipment. Hot surfaces - To reduce the risk of burns - Do not touch.

**ATTENTION:** Risque de choc électrique - ne pas enlever le couvercle. Aucune pièce interne réparable par l'utilisateur. Toute réparation doit être uniquement confiée à du personnel qualifié. A l'intérieur de l'onduleur on retrouve 2 tensions AC et DC. Chaque circuit doit être déconnecté individuellement avant chaque entretien. Lorsque le panneau photovoltaïque est exposé à la lumière, il fournit une tension DC à cet appareil. Les surfaces chaudes - pour réduire le risque de brûlure - Ne pas toucher.

**Photovoltaic Rapid Shutdown Equipment**  
 conforms with NEC-2014 & NEC-2017 Article 690.12 & CEC-2018 Sec 64-218



**Hoymiles Power Electronics Inc.**  
 hoymiles.com Made in China



Grid Support Utility Interactive Inverter  
**Model: HM-1500**



S/N: 116191115791

1500H.MX.HM

Range of Input Operating Voltage	16-60V d.c.
Range of Peak Power MPPT Voltage	33-48V d.c.
Start-up Voltage	22V d.c.
Max. Input Current	4*11.5A d.c.
Max. Input Short Circuit Current	4*15A d.c.
Nominal Output Voltage	240V a.c.
Max. Continuous Output Current	6.25A a.c.
Nominal Output Frequency	60Hz
Max. Continuous Output Power	1500VA
Output Power Factor Rating	>0.99 (Default)
Peak Conversion Efficiency	96.7%
Type of Enclosure	Type 6
Operating Ambient Temp.	-40 to +65°C



UL1741  
 CSA C22.2  
 US No.107.1-16  
 261002



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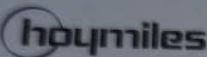
**CAUTION:** Risk of electric shock - Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel. Both AC and DC voltage sources are terminated inside this equipment. Each circuit must be individually disconnected before servicing. When the photovoltaic array is exposed to light, it supplies a DC voltage to this equipment. Hot surfaces - To reduce the risk of burns - Do not touch.

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**Photovoltaic Rapid Shutdown Equipment**  
 conforms with NEC-2014 & NEC-2017 Article 690.12 & CEC-2018 Sec 64-218



**Hoymiles Power Electronics Inc.**  
 hoymiles.com Made in China



Grid Support Utility Interactive Inverter  
**Model: HM-1500**



S/N: 116191115902

1500H.MX.HM

Range of Input Operating Voltage	16-60V d.c.
Range of Peak Power MPPT Voltage	33-48V d.c.
Start-up Voltage	22V d.c.
Max. Input Current	4*11.5A d.c.
Max. Input Short Circuit Current	4*15A d.c.
Nominal Output Voltage	240V a.c.
Max. Continuous Output Current	6.25A a.c.
Nominal Output Frequency	60Hz
Max. Continuous Output Power	1500VA
Output Power Factor Rating	>0.99 (Default)
Peak Conversion Efficiency	96.7%
Type of Enclosure	Type 6
Operating Ambient Temp.	-40 to +65°C



UL1741  
 CSA C22.2  
 US No.107.1-16  
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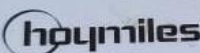
**CAUTION:** Risk of electric shock - Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel. Both AC and DC voltage sources are terminated inside this equipment. Each circuit must be individually disconnected before servicing. When the photovoltaic array is exposed to light, it supplies a DC voltage to this equipment. Hot surfaces - To reduce the risk of burns - Do not touch.

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**Photovoltaic Rapid Shutdown Equipment**  
 conforms with NEC-2014 & NEC-2017 Article 690.12 & CEC-2018 Sec 64-218



**Hoymiles Power Electronics Inc.**  
 hoymiles.com Made in China



Grid Support Utility Interactive Inverter  
**Model: HM-1500**



S/N: 116191115384

1500H.MX.HM

Range of Input Operating Voltage	16-60V d.c.
Range of Peak Power MPPT Voltage	33-48V d.c.
Start-up Voltage	22V d.c.
Max. Input Current	4*11.5A d.c.
Max. Input Short Circuit Current	4*15A d.c.
Nominal Output Voltage	240V a.c.
Max. Continuous Output Current	6.25A a.c.
Nominal Output Frequency	60Hz
Max. Continuous Output Power	1500VA
Output Power Factor Rating	>0.99 (Default)
Peak Conversion Efficiency	96.7%
Type of Enclosure	Type 6
Operating Ambient Temp.	-40 to +65°C



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 CSA C22.2  
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**Photovoltaic Rapid Shutdown Equipment**  
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