

# DHM-300/400

## Micro Inverter



### Features

#### Convenient

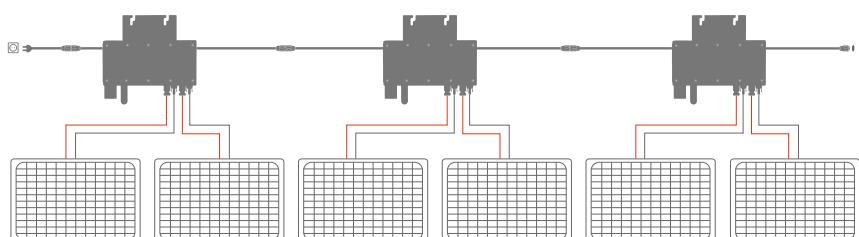
- DC overload up to 50%
- Inter-connectable with other DH microinverter models
- Built-in PLC or WiFi

#### Safe and Reliable

- Integrated grounding for easy installation
- NEMA-6/IP-66/IP-67 enclosure rating

#### Efficient

- MPPT activated for each panel
- High efficiency with 97.1%



**Model****DHM-300/400**

<b>Input   DC</b>	<b>DHM-300</b>	<b>DHM-400</b>
Recommended PV Module Power Range /W	450	600
MPPT Voltage Range /V	22–55	
Startup Voltage /V	24	
Max. Input Voltage /V	60	
Max. Input Current /A	14	
Overvoltage Protection Category	II	
<b>Output   AC</b>		
Peak Output Power /VA	350	400
Max. Continuous Output Power /VA	300	350
Rated Output Voltage /V	230	
Nominal Output Voltage Range /V	Configurable	
Max. Continuous Output Current /A	1.3	1.52
Nominal Frequency / Range /Hz	50 / Configurable	
Power Factor (Nominal/Adjustable Range)	1.0/0.8 leading...0.8 lagging	
AC Short Circuit Fault Current Over 3 cycles /Arms	2.2	2.4
THDi@Rated Power	<3%	
Max. Units per 20A Branch	12	10
Overvoltage Protection Category	III	
<b>Efficiency</b>		
Peak Efficiency	97.1%	97.3%
MPPT Efficiency	>99.5%	
Night Power Consumption /mW	80	
<b>General Data</b>		
Operating Ambient Temperature Range/°C	-40~65	
Relative Humidity Range	0–100%	
Dimensions (W x H x D) /mm	180 x 186 x 25	
Weight /kg	1.5	
DC Connector Type	MC4	
AC Connection Type (inverter–inverter)	Daisy Chain AC Bus	
Communication Method	PLC or WiFi	
Protection Class	NEMA-6 / IP-66 / IP-67	

1 The AC voltage range may vary depending on specific country grid

2 The AC frequency range may vary depending on specific country grid

# DHM-500/600/600X

## Micro Inverter



### Features

#### Convenient

- DC overload up to 50%
- Inter-connectable with other NEP microinverter models
- Built-in PLC or WiFi

#### Safe and Reliable

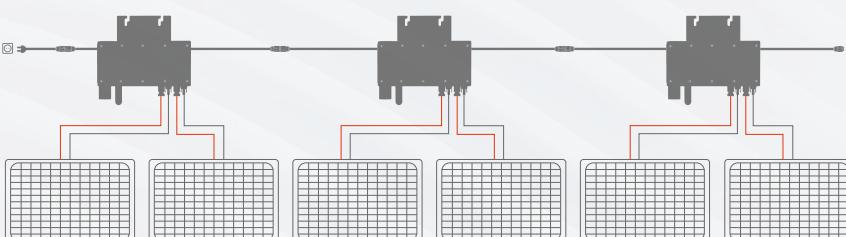
- Integrated grounding for easy installation
- NEMA-6/IP-66/IP-67 enclosure rating

#### Global Certified

- U.S. California Rule 21 Certified
- "UL1741, SAA, TUV, VDE-AR-N 4105, VDE, 0126, G83/2, CEI 0-21, IEC 61727, EN50438, Tor Erzeuger Typ A"

#### Efficient

- MPPT activated for each panel
- High efficiency with 97.1%



More effective

Max. Efficiency 97.1%



Global  
Certification

C-ETL-us, SAA, TUV,  
VDE-AR-N 4105, VDE 0126, G83



More secure

Built-in grounding  
Lightning protection 6000V



More  
Reliability

IP66/67

**Model****DHM-500/600/600X**

<b>Input   DC</b>	<b>DHM-500</b>	<b>DHM-600</b>	<b>DHM-600X</b>
Recommended PV Module Power Range /W	375 x 2	450 x 2	
MPPT Voltage Range /V	22–55		
Startup Voltage /V	24		
Max. Input Voltage /V	60		
Max. Input Current /A	12.5 x 2	18 x 2	
Overvoltage Protection Category	II		
<b>Output   AC</b>			
Peak Output Power /VA	550	600	650
Max. Continuous Output Power /VA	500	580	600
Rated Output Voltage /V	230		
Nominal Output Voltage Range /V	Configurable		
Max. Continuous Output Current /A	2.17	2.52	2.61
Nominal Frequency / Range /Hz	50 / Configurable		
Power Factor (Nominal/Adjustable Range)	1.0/0.8 leading...0.8 lagging		
AC Short Circuit Fault Current Over 3 cycles /Arms	4.4		
THDi@Rated Power	<3%		
Max. Units per 20A Branch	7	6	
Overvoltage Protection Category	III		
<b>Efficiency</b>			
Peak Efficiency	97.1%		
MPPT Efficiency	>99.5%		
Night Power Consumption /mW	110		
<b>General Data</b>			
Operating Ambient Temperature Range /°C	-40~65		
Relative Humidity Range	0–100%		
Dimensions (W x H x D) /MM	227 x 132 x 50		
Weight /kg	2.9		
DC Connector Type	MC4		
AC Connection Type (inverter–inverter)	Daisy Chain AC Bus		
Communication Method	PLC or WiFi		
Protection Class	NEMA-6 / IP-66 / IP-67		

1 The AC voltage range may vary depending on specific country grid

2 The AC frequency range may vary depending on specific country grid

# DHM-800/1000

## Micro Inverter



### Features

#### Convenient

- DC overload up to 50%
- Inter-connectable with other NEP microinverter models
- Built-in PLC or WiFi

#### Safe and Reliable

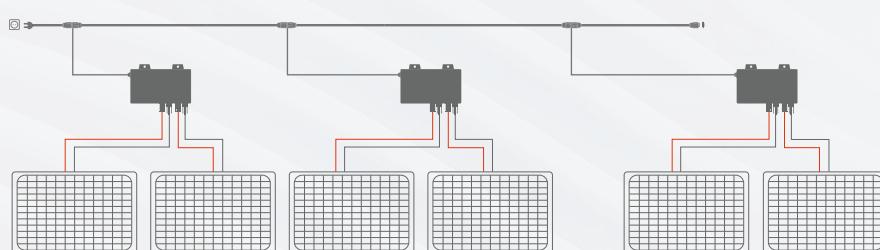
- Integrated grounding for easy installation
- NEMA-6/IP-66/IP-67 enclosure rating

#### Global Certified

- U.S. California Rule 21 Certified
- "UL1741, SAA, TUV, VDE-AR-N 4105, VDE, 0126, G83/2, CEI 0-21, IEC 61727, EN50438, Tor Erzeuger Typ A"

#### Efficient

- MPPT activated for each panel
- High efficiency with 97.1%



**More effective**

Max. Efficiency 97.1%



**Global Certification**

C-ETL-us, SAA, TUV, VDE-AR-N 4105, VDE 0126, G83



**More secure**

Built-in grounding  
Lightning protection 6000V



**More Reliability**

IP66/67

## Model

DHM-800/1000

Input   DC	DHM-800	DHM-1000
Recommended PV Module Power Range /W	600 x 2	750 x 2
MPPT Voltage Range /V	22–55	
Startup Voltage /V	24	
Max. Input Voltage /V	60	
Max. Input Current /A	17 x 2	18 x 2
Overvoltage Protection Category	II	
Output   AC		
Peak Output Power /VA	800	1000
Max. Continuous Output Power /VA	750	960
Rated Output Voltage /V	230	
Nominal Output Voltage Range /V	Configurable	
Max. Continuous Output Current /A	3.26	4.17
Nominal Frequency / Range /Hz	50 / Configurable	
Power Factor (Nominal/Adjustable Range)	1.0/0.8 leading...0.8 lagging	
AC Short Circuit Fault Current Over 3 cycles /Arms	8.2	
THDi@Rated Power	<3%	
Max. Units per 20A Branch	5	4
Overvoltage Protection Category	III	
Efficiency		
Peak Efficiency	97.3%	
MPPT Efficiency	>99.5%	
Night Power Consumption /mW	110	
General Data		
Operating Ambient Temperature Range /°C	-40~65	
Relative Humidity Range	0–100%	
Dimensions (W x H x D) /mm	268 x 250 x 42	
Weight /kg	2.9	
DC Connector Type	MC4	
AC Connection Type (inverter–inverter)	Trunk Cable	
Communication Method	PLC or WiFi	
Protection Class	NEMA-6 / IP-66 / IP-67	

1 The AC voltage range may vary depending on specific country grid

2 The AC frequency range may vary depending on specific country grid

# DHM-2000

## Micro Inverter



### Features

#### Convenient

- DC overload up to 20%
- Inter-connectable with other NEP microinverter models
- Built-in PLC or WiFi

#### Safe and Reliable

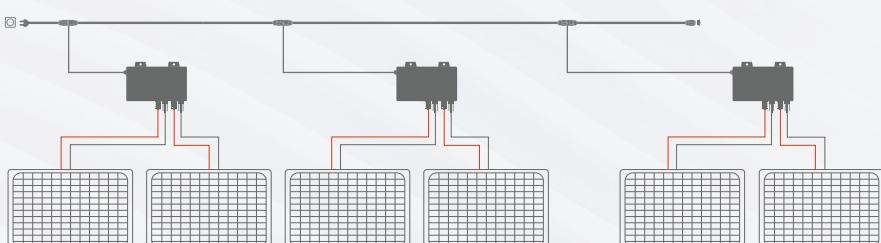
- Integrated grounding for easy installation
- NEMA-6/IP-66/IP-67 enclosure rating

#### Global Certified

- U.S. California Rule 21 Certified
- "UL1741, SAA, TUV, VDE-AR-N 4105, VDE, 0126, G83/2, CEI 0-21, IEC 61727, EN50438, Tor Erzeuger Typ A"

#### Efficient

- MPPT activated for each panel
- High efficiency with 97.1%



**More effective**

Max. Efficiency 97.1%



**Global  
Certification**

C-ETL-us, SAA, TUV,  
VDE-AR-N 4105, VDE 0126, G83



**More secure**

Built-in grounding  
Lightning protection 6000V



**More  
Reliability**

IP66/67

**Model****DHM-2000**

<b>Input   DC</b>		<b>DHM-2000</b>
Recommended PV Module Power Range /W		750 x 4
MPPT Voltage Range /V		22~55
Startup Voltage /V		24
Max. Input Voltage /V		60
Max. Input Current /A		18 x 4
Overvoltage Protection Category		II
<b>Output   AC</b>		
Peak Output Power /VA		2000
Max. Continuous Output Power /VA		1920
Rated Output Voltage /V		230
Nominal Output Voltage Range /V		Configurable
Max. Continuous Output Current /A		8.3
Nominal Frequency / Range /Hz		50 / Configurable
Power Factor (Nominal/Adjustable Range)		1.0/0.8 leading...0.8 lagging
AC Short Circuit Fault Current Over 3 cycles /Arms		15.3
THDi@Rated Power		<3%
Max. Units per 20A Branch		2
Overvoltage Protection Category		III
<b>Efficiency</b>		
Peak Efficiency		97.3%
MPPT Efficiency		>99.5%
Night Power Consumption /mW		110
<b>General Data</b>		
Operating Ambient Temperature Range /°C		-40~65
Relative Humidity Range		0~100%
Dimensions (W x H x D) /mm		268 x 250 x 42
Weight /kg		2.9
DC Connector Type		MC4
AC Connection Type (inverter-inverter)		Trunk Cable
Communication Method		PLC or WiFi
Protection Class		NEMA-6 / IP-66 / IP-67

1 The AC voltage range may vary depending on specific country grid

2 The AC frequency range may vary depending on specific country grid