

Power Solutions

- Telecom Power
- Server Power
- Electric Power
- Medical Power
- Display Power
- LED Power
- Laser Power
- OA Power
- Flat Panel Power
- Bi-directional Inverters for Portable Power Stations
- Solar & RESS Solution

Industry Automation

- Servo System
- Control System
- Elevator Controller
- Linear Motors
- IOT Solution
- Encoder
- Variable Frequency Drive
- Internal Gear Pump

eMobility & EV Infrastructure

- Multiplexed EV Charging System(OBC & DC-DC)
- Power Electronic Unit(2-in-1, 3-in-1)
- E-Compressor
- TV EDU
- Motor Control Unit
- Construction Machinery Controller
- Intelligent Active Hydraulic Suspension (i-AHS)
- Railway A/C Controller
- Railway VFD
- Light Electric Vehicle Controller
- Thermal Mgmt. System
- EV Charging Solution

Intelligent Equipment

- Intelligent Welding
- Electric Submersible- Progressing Cavity Pump
- Industrial Microwave
- Polysilicon Water Quenching Equipment
- Automatic Car Washing Machine

Home Appliance Control Solutions

- Residential A/C Controller
- Commercial A/C Controller
- Heat Pump Controller
- Vehicle A/C Controller
- Solar A/C Controller
- Mini Compressor Controller
- Refrigerator Controller
- Washer/Dryer Controller
- Residential Microwave
- Industrial Microwave
- Smart Bidet
- RF Thawing System

Precision Connection

- FFC
- FPC
- Coaxial Cable
- CCS
- Litz Wire
- Peek Wire

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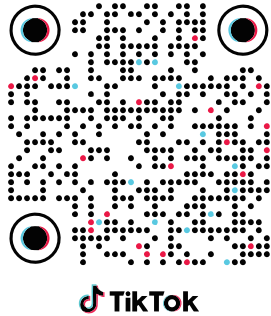
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2026



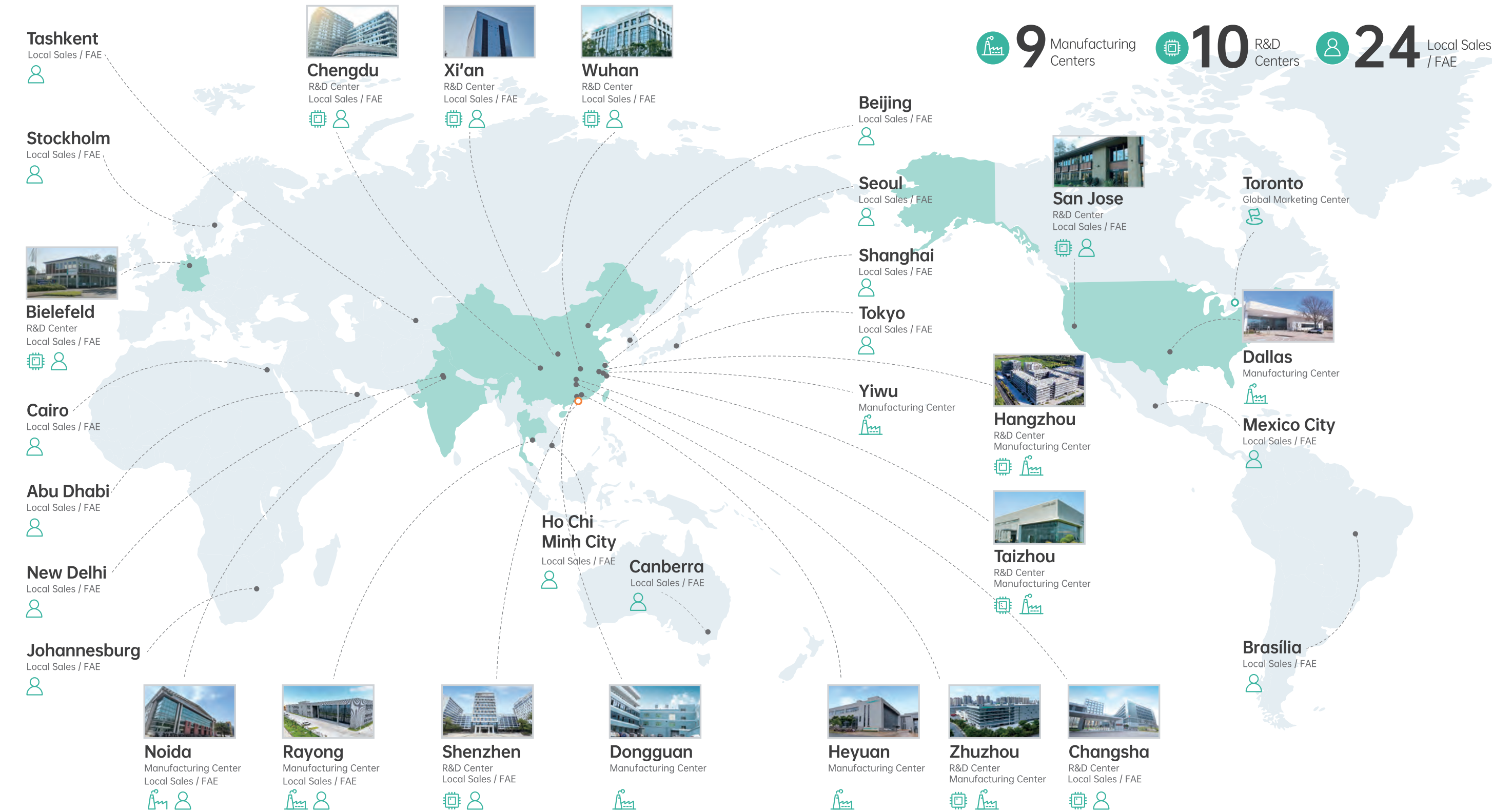
MECO
Power In One, Power For All

Global Infrastructure for Scalable Engineering Solutions

MEGMEET operates a robust global framework comprising 10 advanced R&D centers, 9 vertically integrated manufacturing facilities, and 24 strategically positioned regional offices. This infrastructure enables accelerated product development cycles, optimized supply chain logistics, and region-specific engineering support. Our distributed architecture ensures low-latency response times, seamless integration with local standards, and scalable deployment across diverse industrial and commercial applications.

Global Engineering & Field Application Support Network

MEGMEET's international engineering infrastructure is built to enable close technical collaboration and on-site application expertise. With design and support centers in China, Germany, Thailand, and the United States, we ensure rapid integration of customer requirements into product architecture, efficient validation in real-world environments, and agile adaptation to regional standards. Our global presence empowers field application engineers to deliver scalable, reliable, and performance-optimized solutions across a wide range of industries.



300Wh Solar Power Bank

Meco 300 (100W)



Technical Parameters



Brand & Model	
Brand Name	Meco Power
Model No.	Meco 300W
Core Parameters	
Battery Type	LiFePO ₄
Battery Capacity	1004.8Wh
Battery Lifespan	8000 cycles
Product Parameters	
DV Rating Power in all	150W Max
USB-A*2	5V3A 15W Max
Type-C*2	5V3A,9V3A,12V3A,15V3A,20V5A,100W Max
DC 5521*2	12V12.5A,150W Max
Solar Input	MPPT 11-55Vdc,Max 4A,100W Max
Car/DC Input	12V,18V,24V,36V,48V,100W Max
Size & Weight	
Net Weight	2.8kg
Dimensions	D83*W130*H170mm
Work Environment	
Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20
Certification	
Certification	UN38.3/MSDS/IEC
Protection	
Protection	Overcharge and over discharge protection/Overcurrent protection Overload protection Short circuit protection/Fault protection

*The above are for reference only; the specification sheets shall prevail.

1kWh Solar Generator

Meco 1kWh (300W)



Lamp 20W
45h



Fan 30W
30h



TV 100W
9h



Phone 2942mAh
300 times



Laptop 60W
15h



Car Fridge 60W
15h



Projectors 100W
9h



Hairdryer 200W
4.5h



Camera 40W
22.5h



Pet Feeder 6W
150h

Technical Parameters



Brand & Model	
Brand Name	Meco Power
Model No.	Meco 1kWh
Core Parameters	
Battery Type	LiFePO ₄
Battery Capacity	1004.8Wh
Battery Lifespan	8000 cycles
Product Parameters	
Rating	300W
AC input	90V~280V,45~65Hz,350W
DC input (PV)	12V~60Vdc,Max. 200W
AC Output / Waveform	Max. 300W / Pure sine-wave
AC Outlet	Universal
Size & Weight	
Net Weight	8.5kg
Dimensions	D257*W210*H207mm
Work Environment	
Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20
Certification	
Certification	UN38.3/MSDS/IEC
Protection	
Protection	Mains Input Over/Undervoltage Protection,Overcurrent Protection,Short Circuit Protection,Overtemperature Protection,Low Temperature Protection,Battery Operation Safety Protection,Photovoltaic Input Over/Undervoltage Protection, Photovoltaic Reverse Polarity Protection.

*The above are for reference only; the specification sheets shall prevail.

1kWh Solar Generator

Meco 1kWh Pro (500W)



Lamp 20W
45h



Fan 30W
30h



TV 100W
9h



Phone 2942mAh
300 times



Laptop 60W
15h



Car Fridge 60W
15h



Projectors 100W
9h



Hairdryer 200W
4.5h



Camera 40W
22.5h



Pet Feeder 6W
150h



Technical Parameters



Brand & Model	
Brand Name	Meco Power
Model No.	Meco 1kWh pro
Core Parameters	
Battery Type	LiFePO ₄
Battery Capacity	1004.8Wh
Battery Lifespan	8000 cycles
Product Parameters	
Rating	500W
AC input	90V~280V,45~65Hz,500W
DC input (PV)	12V~60Vdc,Max. 500W
AC Output / Waveform	Max. 500W / Pure sine-wave
AC Outlet	Universal
Size & Weight	
Net Weight	8.5kg
Dimensions	D185*W210*H208.5mm
Work Environment	
Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20
Certification	
Certification	UN38.3/MSDS/IEC
Protection	
Protection	Mains Input Over/Undervoltage Protection,Overcurrent Protection,Short Circuit Protection,Overtemperature Protection,Low Temperature Protection,Battery Operation Safety Protection,Photovoltaic Input Over/Undervoltage Protection, Photovoltaic Reverse Polarity Protection.

*The above are for reference only; the specification sheets shall prevail.

1.8kWh Solar Generator

Meco 1.8kWh (600W)



Fan 30W
54h



TV 100W
16h



Phone 2942mAh
540 times



Laptop 60W
27h



Washing Machine 300W
5.4h



Fridge 150W
10.8h



Microwave oven 600W
2.7h



Hairdryer 200W
8h



Ventilator 40W
40.5h



Rice cooker 600W
2.7h



Technical Parameters



Brand & Model	
Brand Name	Meco Power
Model No.	Meco 1.8kWh
Core Parameters	
Battery Type	LiFePO ₄
Battery Capacity	1792Wh
Battery Lifespan	8000 cycles
Product Parameters	
Rating	600W
AC input	90V~280V,45~65Hz, 600W
DC input (PV)	12V~60Vdc,Max. 500W
AC Output / Waveform	Max. 600W /Pure sine-wave
AC Outlet	Universal
Size & Weight	
Net Weight	16.8kg
Dimensions	D252*W226*H311mm
Work Environment	
Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20
Certification	
Certification	UN38.3/MSDS/IEC
Protection	
Protection	Mains Input Over/Undervoltage Protection,Overcurrent Protection,Short Circuit Protection,Overtemperature Protection,Low Temperature Protection,Battery Operation Safety Protection,Photovoltaic Input Over/Undervoltage Protection, Photovoltaic Reverse Polarity Protection.

*The above are for reference only; the specification sheets shall prevail.

2kWh Solar Generator

Meco 2kWh (1200W)



Fan 30W
60h



TV 100W
18h



Phone 2942mAh
600 times



Laptop 60W
30h



Washing Machine 300W
6h



Fridge 150W
12h



Microwave oven 700W
2.5h



Hairdryer 200W
9h



1HpAc 850W
2h



Rice cooker 600W
3h



Technical Parameters



Brand & Model	
Brand Name	Meco Power
Model No.	Meco 2kWh
Core Parameters	
Battery Type	LiFePO ₄
Battery Capacity	2009.6Wh
Battery Lifespan	8000 cycles
Product Parameters	
Rating	1200W
AC input	90V~280V,45~65Hz,1200W
DC input (PV)	12V~60Vdc,Max. 600W
AC Output / Waveform	Max. 1200W/Pure sine-wave
AC Outlet	Universal
Size & Weight	
Net Weight	16.8kg
Dimensions	D252*W226*H311mm
Work Environment	
Operating/Storage Temp.	0~45℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20
Certification	
Certification	UN38.3/MSDS/IEC
Protection	
Protection	Mains Input Over/Undervoltage Protection,Overcurrent Protection,Short Circuit Protection,Overtemperature Protection,Low Temperature Protection,Battery Operation Safety Protection,Photovoltaic Input Over/Undervoltage Protection, Photovoltaic Reverse Polarity Protection.

*The above are for reference only; the specification sheets shall prevail.

Meco 4kWh Pro Solar Generator

Meco 4kWh Pro (2200W)



Fan 30W
108h



TV 100W
32.4h



Phone 2942mAh
1080 times



Laptop 60W
54h



Washing Machine 300W
10.8h



Fridge 150W
21.6h



Microwave oven 700W
4.6h



Hairdryer 200W
16.2h



1HpAc 850W
3.8h



Rice cooker 600W
5.4h



Technical Parameters



Brand & Model	
Brand Name	Meco Power
Model No.	Meco 4kWh Pro
Core Parameters	
Battery Type	LiFePO ₄
Battery Capacity	4019.2Wh
Battery Lifespan	8000 cycles
Product Parameters	
Rating	2200W
AC input	90V~280V,1380W
DC input (PV)	60V~400Vdc,Max. 3000W
AC Output / Waveform	Max. 2200W/Pure sine-wave
AC Outlet	Universal
Size & Weight	
Net Weight	32kg
Dimensions	D285*W549*H359mm
Work Environment	
Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20
Certification	
Certification	UN38.3/MSDS/IEC
Protection	
Protection	Overcharge and over discharge protection/Overcurrent protection Overload protection Short circuit protection/Fault protection

*The above are for reference only; the specification sheets shall prevail.

3.6kWh Solar Generator

Meco 3.6kWh Pro (3000W)



Fan 30W
108h



TV 100W
32.4h



Phone 2942mAh
1080 times



Laptop 60W
54h



Washing Machine 300W
10.8h



Fridge 150W
21.6h



Microwave oven 700W
4.6h



Hairdryer 200W
16.2h



1HpAc 850W
3.8h



Rice cooker 600W
5.4h



Technical Parameters



Brand & Model	
Brand Name	Meco Power
Model No.	Meco 3.6 kWh Pro
Core Parameters	
Battery Type	LiFePO ₄
Battery Capacity	3584Wh
Battery Lifespan	8000 cycles
Product Parameters	
Rating	3000W
AC input	90V~280V,45~65Hz,3000W
DC input (PV)	60V~450Vdc,Max. 4000W
AC Output / Waveform	Max. 3000W /Pure sine-wave
AC Outlet	Universal
Size & Weight	
Net Weight	32.5kg
Dimensions	D285*W549*H359mm
Work Environment	
Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20
Certification	
Certification	UN38.3/MSDS/IEC
Protection	
Protection	Overcharge and over discharge protection/Overcurrent protection Overload protection Short circuit protection/Fault protection

*The above are for reference only; the specification sheets shall prevail.

5.4kWh Solar Generator

Meco 5.4kWh (5000W)



Fan 30W
162h



TV 100W
28.6h



Phone 2942mAh
1620 times



Laptop 60W
81h



Washing Machine 300W
16.2h



Fridge 150W
32.4h



Microwave oven 700W
7h



Hairdryer 200W
24.3h



1HpAc 850W
5.7h



Rice cooker 600W
8.1h



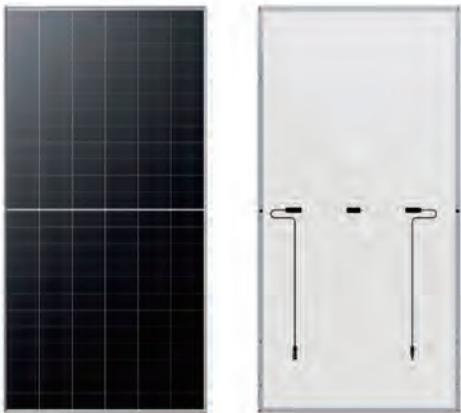
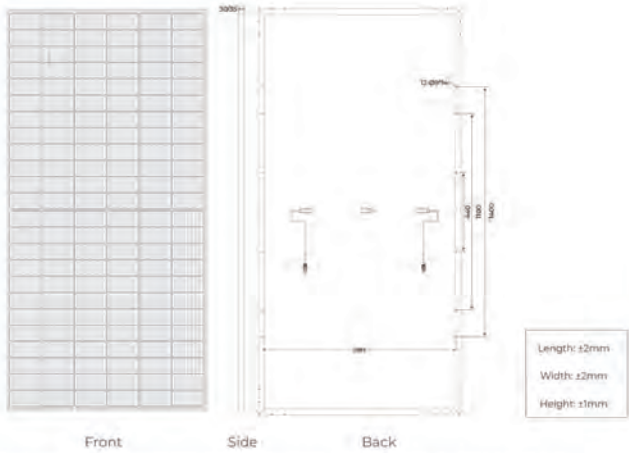
Technical Parameters



Brand & Model	
Brand Name	Meco Power
Model No.	Meco 5.4kWh
Core Parameters	
Battery Type	LiFePO ₄
Battery Capacity	5376Wh
Battery Lifespan	8000 cycles
Product Parameters	
Rating	5000W
AC input	90V~280V,45~65Hz,5000W
DC input (PV)	60V~450Vdc,3000W*2
AC Output / Waveform	Max. 5000W/Pure sine-wave
AC Outlet	Universal
Size & Weight	
Net Weight	45kg
Dimensions	L320*W578*H407mm
Work Environment	
Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20
Certification	
Certification	UN38.3/MSDS/IEC
Protection	
Protection	Overcharge and over discharge protection/Overcurrent protection Overload protection Short circuit protection/Fault protection

*The above are for reference only; the specification sheets shall prevail.

Meco N-320W



*For detailed sizes and tolerance specification, please consult detailed module drawing

Transparent backsheets and bifacial photovoltaic modules can be customized

Mechanical Characteristics(STC/NOCT)

Module Type	STC	NOCT
Maximum Power (Pmax)	580	437
Maximum Power Voltage (Vmp)	43.35	40.70
Maximum Power Current (Imp)	13.38	10.74
Open-circuit Voltage (Voc)	52.31	49.69
Short-circuit Current (Isc)	14.01	11.31
Module Efficiency (%)	22.5	/
Power tolerance	0~+3%	
Maximum system voltage	1500DC	
Maximum series fuse rating	30A	

*STC(Standard Test Condition): Irradiance 1000W/㎡,Cell Temperature 25℃,Air Mass 1.5.
*NOCT(Normal Operating Cell Temperatur): Irradiance 800W/㎡,Cell Temperature 25℃,Air Mass 1.5.

Specifications

Dimensions	2278*1134*30/35mm
Weight	27.0kg
Cell Arrangement	144pcs(72*2)
Glass	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68
Cable	4.0mm²
Connector	MC4

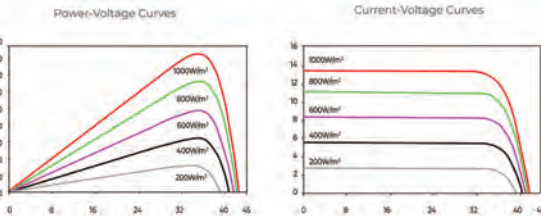
Packaging Configuration

Dimensions	2278*1134*30mm	2278*1134*35mm
Container	40'HQ	40'HQ
Quantity / pallet	36	31
Pallets / cabinet	20	20
Quantity / cabinet	720	620

TEMPERATURE COEFFICIENTS

Temperature coefficients of Pmax	-0.29 %/℃
Temperature coefficients of Voc	-0.25 %/℃
Temperature coefficients of Isc	0.045 %/℃
Operating Temperature(℃)	-40℃~+85℃
Nominaloperating celltemperature (NOCT)	45±2℃

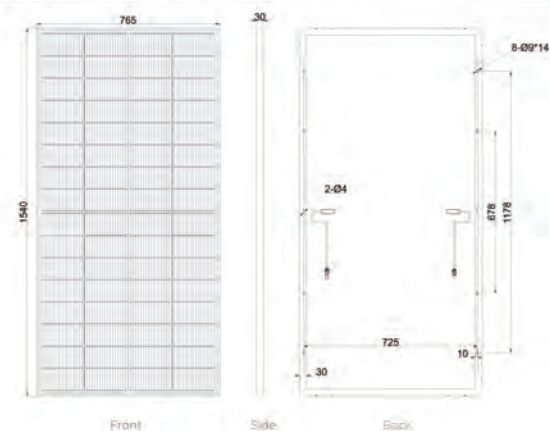
Diagrams of Curve



Meco N-580W



Engineering Drawings



For detailed sizes and tolerance specification, please consult detailed module drawing

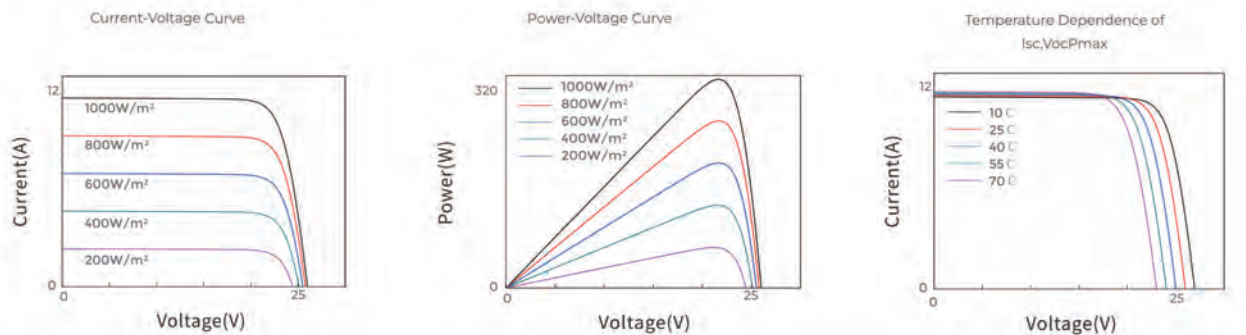
Mechanical Characteristics

Cell Type	Mono,182*91
No. of cells	64pcs(4*8*2)
Dimensions	1540*765*30 mm
Weight	/
Glass	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 2 Bypass Diodes
Output Cables	MC4

Packaging Configuration

/	/
/	/

Electrical Performance & Temperature Dependence



SPECIFICATIONS

Module Type	
Maximum Power (Pmax)	320W
Maximum Power Voltage (Vmp)	28.76V
Maximum Power Current (Imp)	11.13A
Open-circuit Voltage (Voc)	32.95V
Short-circuit Current (Isc)	11.78A
Module Efficiency STC (%)	19.91
Operating Temperature (°C)	-40~+85
Maximum system voltage	1500
Maximum series fuse rating	25A
Power tolerance	0~+5W
Temperature coefficients of Pmax	-0.32%/°C
Temperature coefficients of Voc	-0.26%/°C
Temperature coefficients of Isc	+0.046%/°C
Nominal operating cell temperature (NOCT)	42°C±2°C