



海 鹏 科 技
HYPONTECH
ENERGIZING FUTURE



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1. Main Features Introduction

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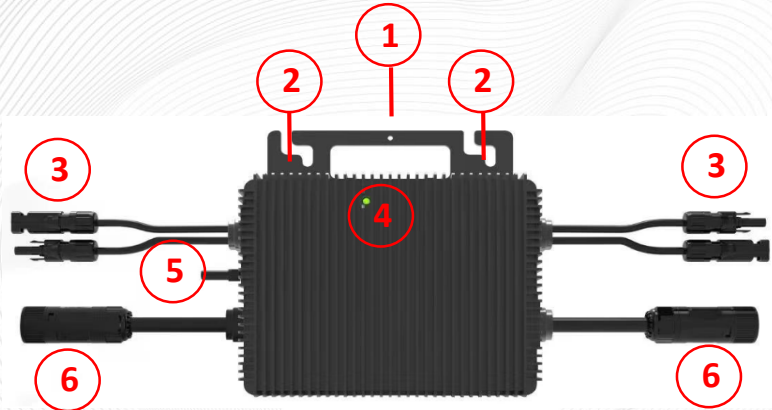


- **15A large PV input current**
- **Low startup voltage (16V)**
- **2 Mppt trackers and wide Mpp voltage range (25-55V)**
- **Built in strong and stable WiFi monitoring module**
- **IP67 protection**
- **Max efficiency up to 96.5%**
- **Flexible and friendly installation**
- **Hypon.cloud empowered**

2. External Interface and Accessories

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1-- Handle

2-- Fix holes

3-- PV input terminals

4-- Work Status Indicator

5-- WiFi antenna

6-- AC output terminal

2. External Interface and Accessories

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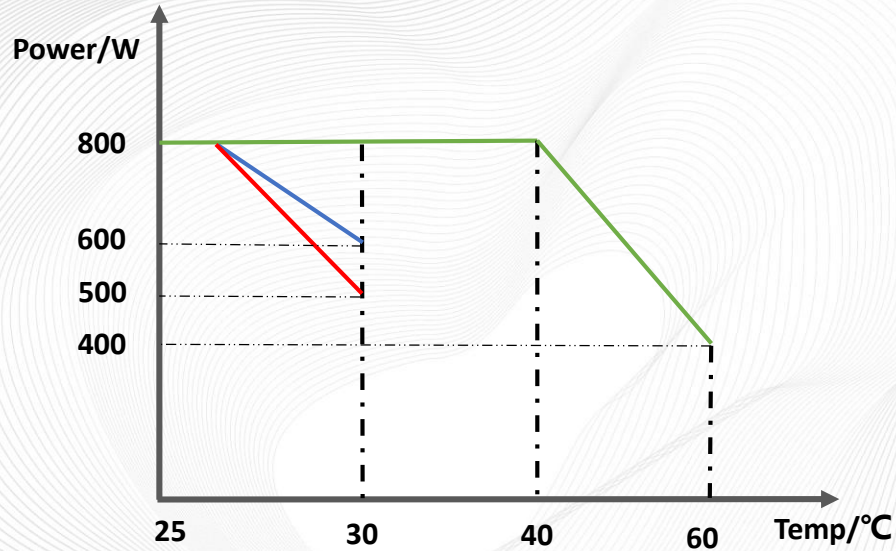
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Item	Category	Part No.	Description	Picture	Purpose
1	MC4 Connector(Male, Optional)	H572 - 70010 - 00	MC4 Connector(Male, Optional)		If PV panel cable length is short, need to extend the cable, need this component to connect to inverter PV input terminals
	MC4 Connector(Female, Optional)	H572 - 70009 - 00	MC4 Connector(Female, Optional)		
2	MC4 Connector Cap(Male, Optional)	H810 - 10016 - 00	MC4 Connector Cap(Male, Optional)		If PV input can't be used, need use this component to block
	MC4 Connector Cap(Female, Optional)	H810 - 10015 - 00	MC4 Connector Cap(Female, Optional)		
3	AC Connector(Male)	H572 - 70044 - 00	AC Connector(Male)		Need this component to connect AC combiner box
	AC Connector(Female)	H572 - 70045 - 00	AC Connector(Female)		
4	AC Connector Cap(Male)	H810 - 10033 - 00	AC Connector Cap(Male)		Need this component to block one AC output terminal
	AC Connector Cap(Female)	H810 - 10034 - 00	AC Connector Cap(Female)		
5	AC Extension Cable	H572 - 30018 - 00	2m AC Extension Cable(6mm2)		Use this cable to extend AC output cable length, 2M or 4M decided customer's configuration
		H572 - 30019 - 00	4m AC Extension Cable(6mm2)		

3. Comparison with Others

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Test Condition:

V_{mpp}=40V, ambient temperature=30°C

1-> Hypon micro-inverter can operate with full load even the ambient temperature up to 40°C

2-> Competitor A output power derating 200W

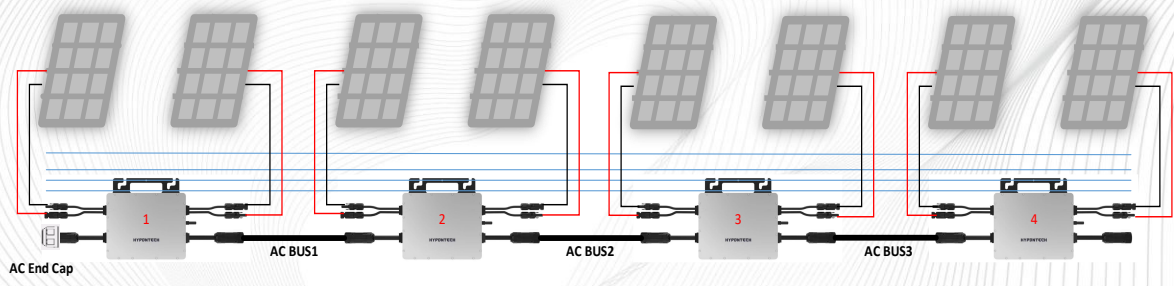
3-> Competitor B output power derating 300W

Item	PV input current	V _{mpp} range	Dimensions	Weight	Monitoring Platform
Hypon	2*15A	25-55V	230*190*46.5mm	3.0kG	Grid-tied/Storage/Micro-inverter
Competitor D	2*13A	25-55V	212*229*40mm	3.5kG	Grid-tied/Storage/Micro-inverter (Solarman)
Competitor H	2*11.5A/12.5A	16-60V	250*170*28mm	3.0kG	Micro-inverter
Competitor N	2*14A	22-55V	277*132*50mm	2.9kG	Micro-inverter

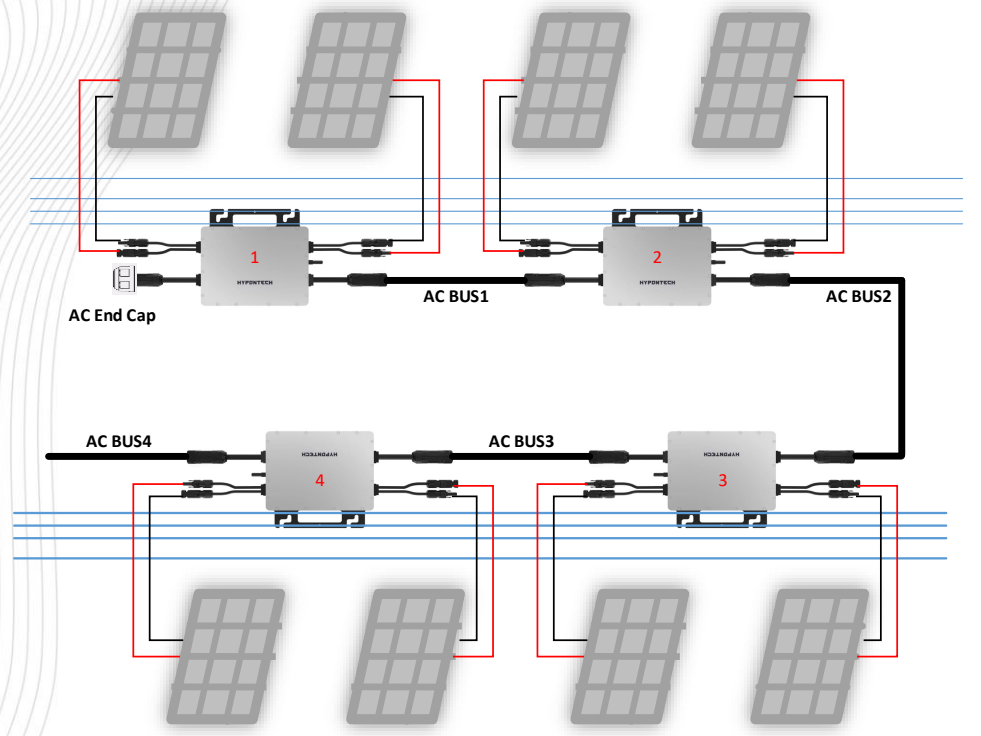
4. Installation and Monitoring

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Same Direction Installation

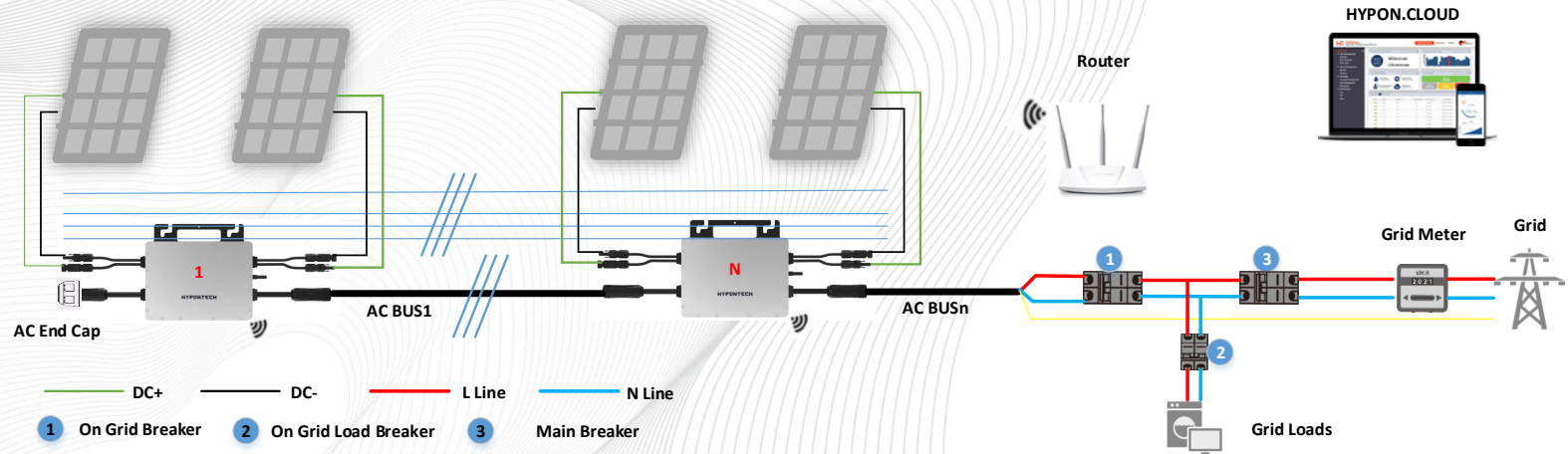


Two Different Direction Installation

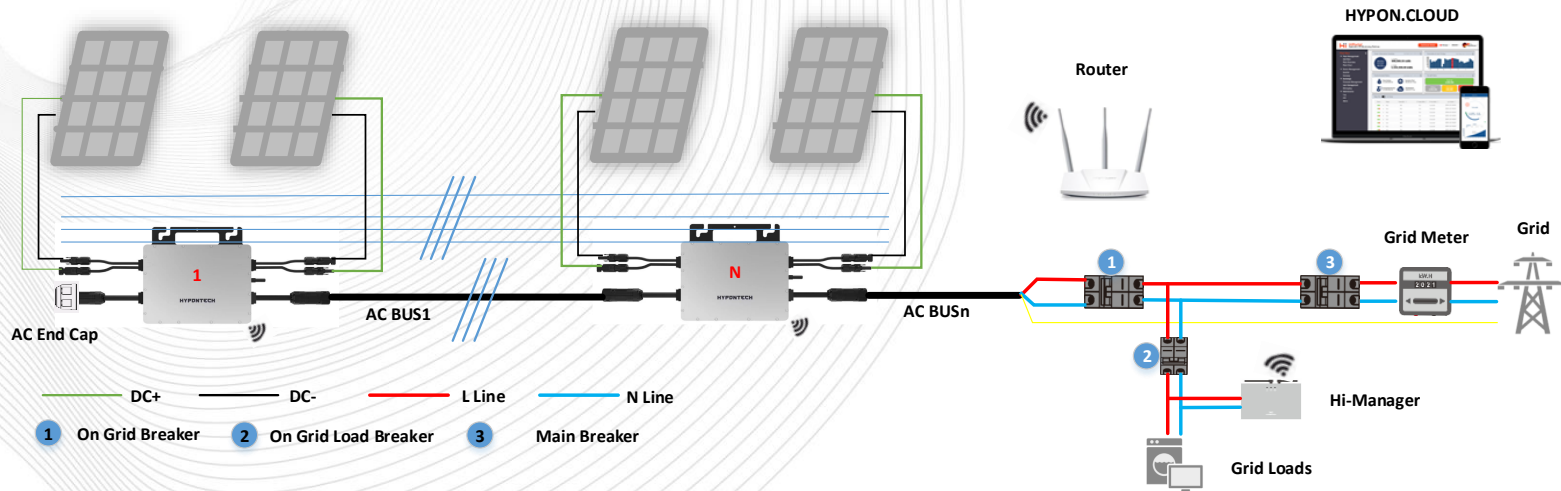
4. Installation and Monitoring

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Module Level Monitoring



Cluster Level Monitoring

4. Installation and Monitoring

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Overview **Dongles** Inverters Events Layout Settings

Physical Layout

Power

Day

2022-12-27

2022-12-27 10:15 (588 W)

Normal

Fast

00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00

247
W
0-0

P08000A119700004-1

341
W
0-2

P08000A119700004-2

Unit List

Please input micro SN

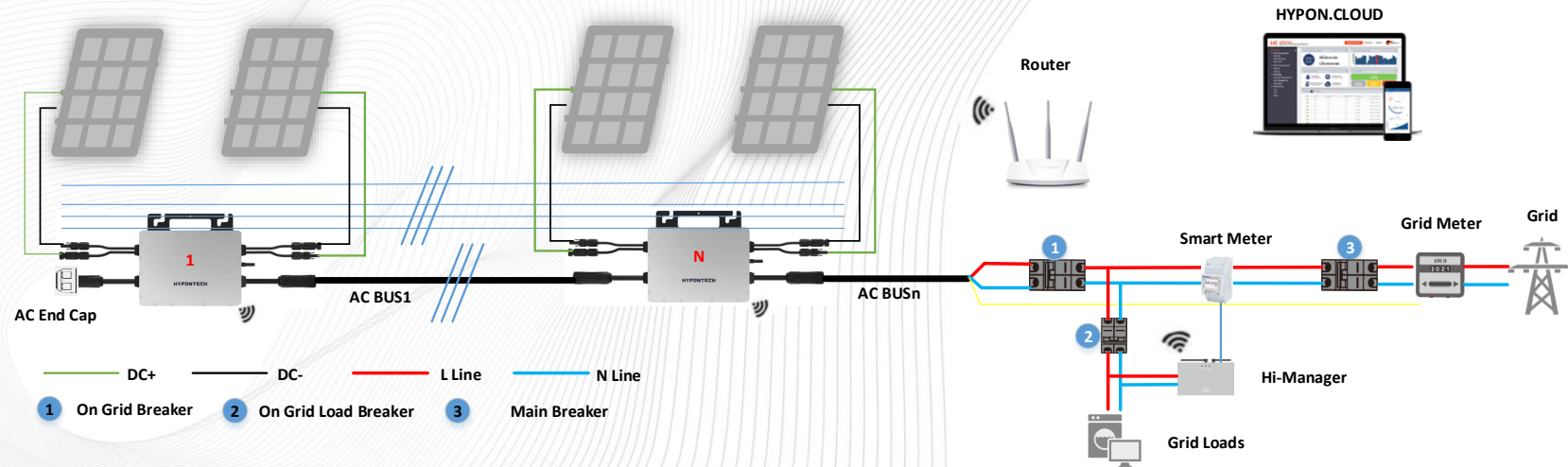
- P08000A119700004
- P08000A119700021
- P08000A119700021-1
- P08000A119700021-2
- P08000A119700003
- P08000A119700003-1
- P08000A119700003-2

P08000A119700004-2 0-0	P08000A119700004-1 0-1	0-2	0-3	0-4	0-5	0-6	0-7	0-8	0-9
1-0	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9
2-0	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9
3-0	3-1	3-2	3-3	3-4	3-5	3-6	3-7	3-8	3-9

5. System Solution-Zero Export

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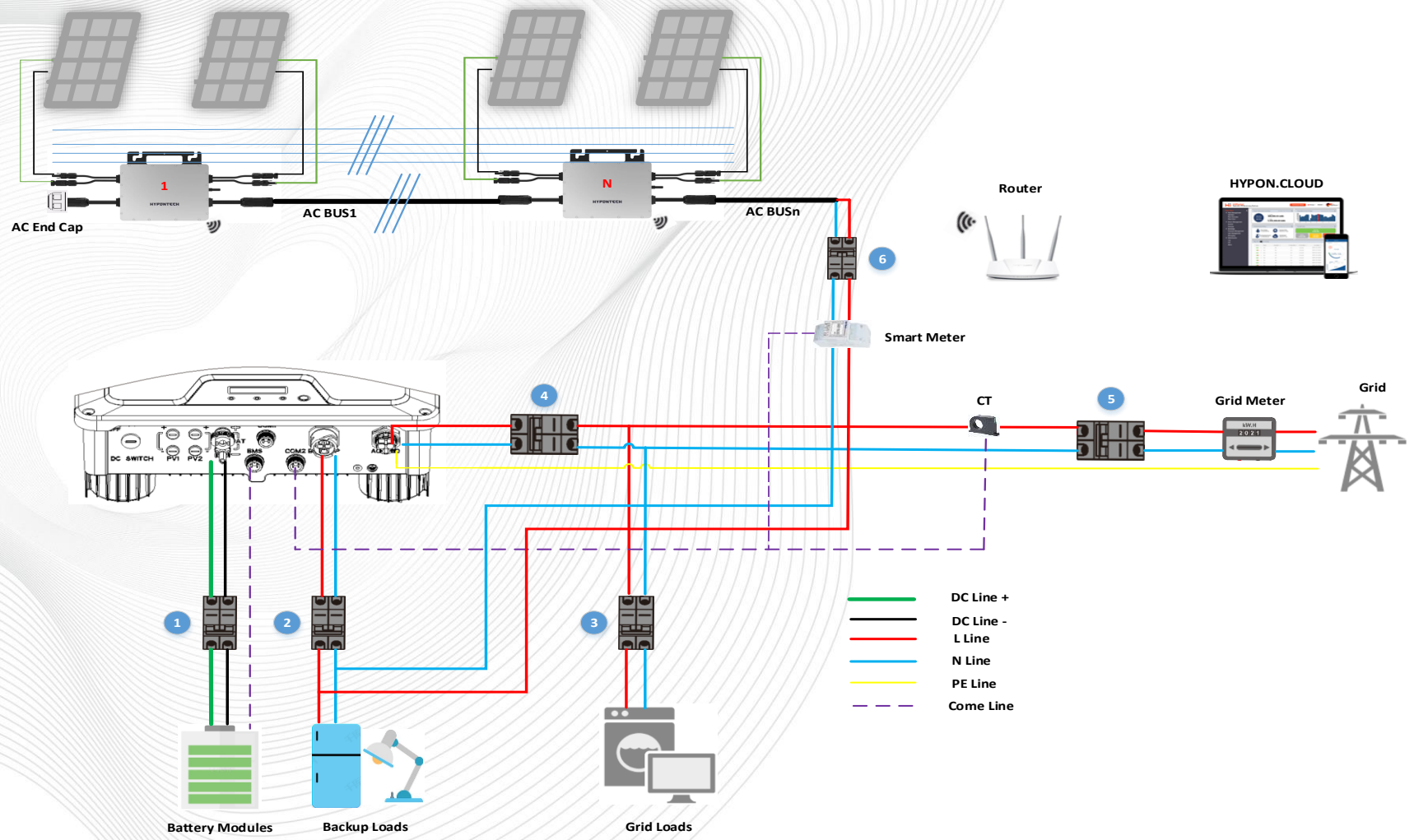


With Hi-manager and smart meter to realize zero export

5. System Solution-AC Storage

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All units can be monitored and controlled with HYPONCLOUD

THE END

Thank You

