



Hi
HYPONTECH



SUZHOU HYPONTECH

Corporate Introduction

HYPONTECH

Everything+

Residential Solution



Aluminum Alloy
Die Casting



DC Overload
40%



Peak Efficiency
98%



Easy to
Install and Service

Hi HYPONTECH
ENERGIZING FUTURE

www.hypontech.com



Technical data 3.68-6.5kW



Model	HPS-3680	HPS-4000	HPS-5000	HPS-6000	HPS-6500
Input(DC)					
Max. PV Power(Wp)	5152	6160	7000	7800	8125
Max. Input Voltage(V)	600				
MPP Voltage Range(V)	80~520				80~550
Min. Input Voltage(V)	70				
Nominal DC-Input Voltage(V)	360				
Max. Input Current(A)	12/12				
Max. Short DC Current(A)	15/15				
No. of Independent MPPT Inputs	2				
No. of PV Strings per MPPT	1				
Output(AC)					
Rated Power(W)	3680	4000	5000	6000	6500
Max. Apparent AC Power(VA)	3680	4400	5000	6000	6600
Rated Grid Voltage(Vac)	220/230/240				
Rated Power Frequency(Hz)	50/60				
Max. Output Current(A)	16	20	23	27.3	29.6
Adjustable Displacement Power Factor	0.8ind to 0.8cap				
THDi at Rated Power	<3%				

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HPS-3680/4000/5000/6000/6500

NET WEIGHT

9.5KG

DIMENSIONS

395×328×154

PROTECTION

IP65

PV OVERLOAD

40%

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Full Die Casting Design



■ Precise

■ Lowest Human Error

■ Dissipation efficient

Horizontal Design

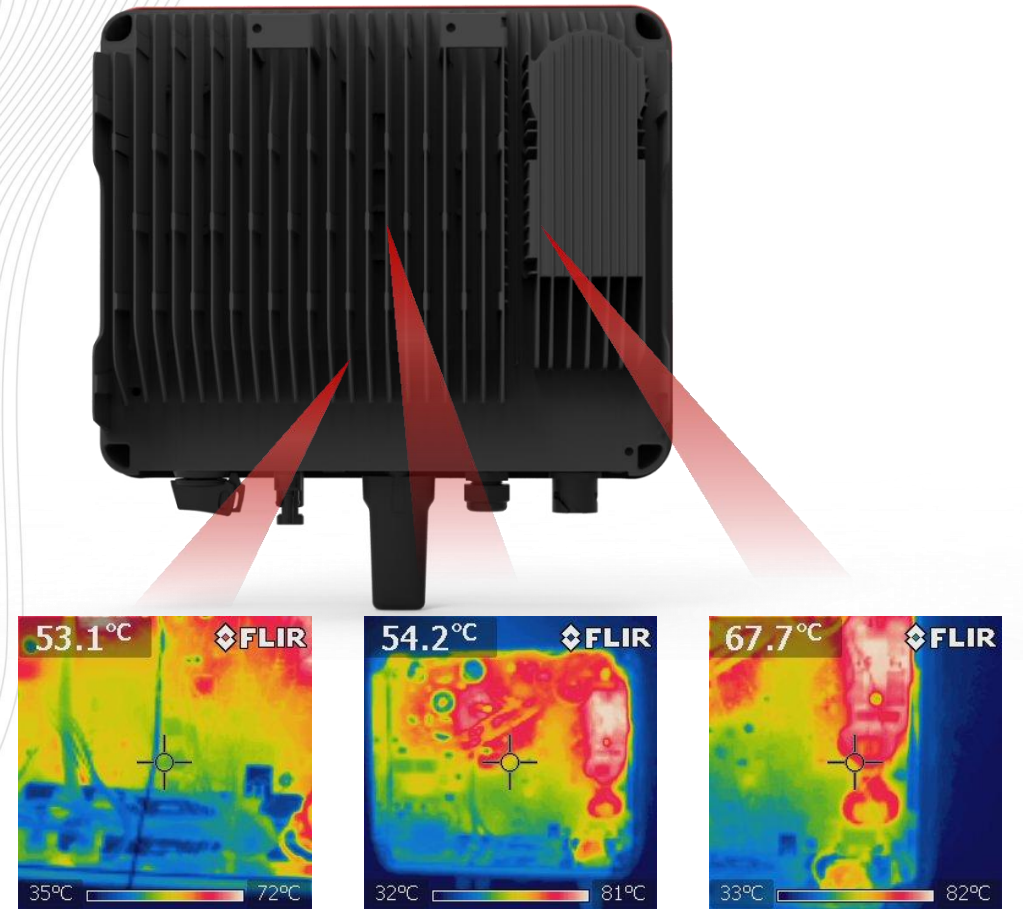
- Optimized heat source distribution
- Increased number of heat fins
- Shorter distance for natural convection

External Chokes

- Independent heat dissipation for chokes
- Protection for key components on PCBA
- Low potential risks of overheating

Full Integration

- No secondary machining process
- Integrated thermal dissipation
- Closest tolerance in mass production



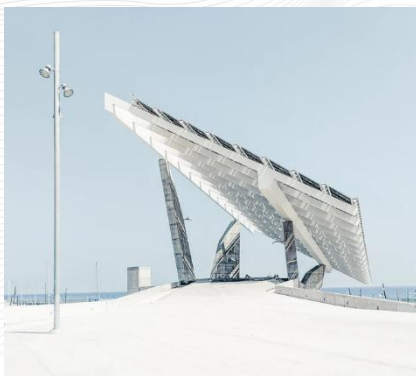


High THERMAL CONDUCTIVITY

- Aluminum Alloy: Strong and Light
- IP65 with Conformal Coating
- Closest Tolerance in Mass Production
- Better Overall Sealing Performance



Why Overload?



Poor Weather



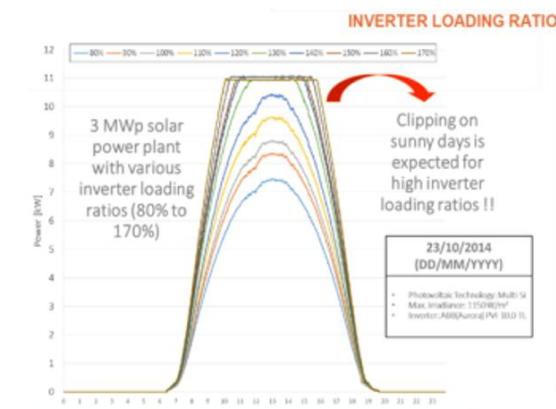
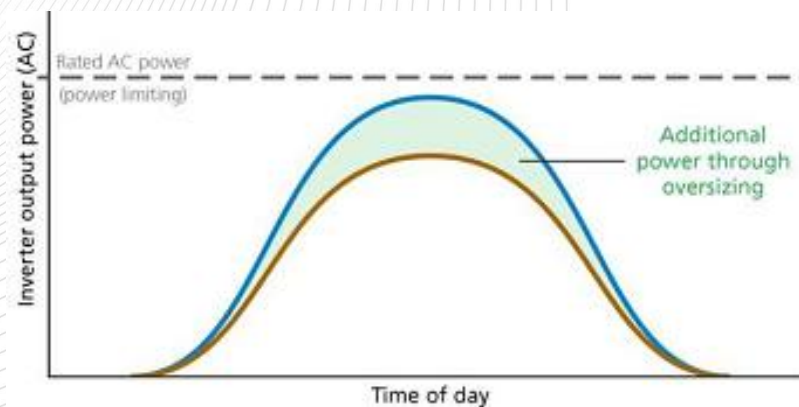
Limited Sun Time



Non-Optimal Panel Angles

Strategical Overload Allows

- High Adaptability in Installation
- High Utilization of Your Inverter
- High Cost-Efficiency and Return



HYPONTECH

Smart Grid Leader

Technology & Supply Chain

HYPONTECH Products are tested and approved by



HYPONTECH is approved by and is currently a member of



SMART ENERGY
COUNCIL

Thermal Shock

Salt Mist

Thermal Cycling

ISTA Test

Vibration

Water Proof

HALT

Damp Heat

EMC/EMI

Aging

HYPONTECH

Smart Grid Leader

Technology & Supply Chain

Key Suppliers



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ENERGIZING FUTURE

Duo Core
Powered by

 **TEXAS
INSTRUMENTS**

- ☒ Anti-Islanding Protection
- ☒ Input Reverse Polarity Protection
- ☒ Insulation Resistor Detection
- ☒ Residual Current Monitoring Unit
- ☒ Output Over Current Protection
- ☒ Output Short Circuit Protection
- ☒ Output Over Voltage Protection

Sophisticated algorithm gives the ability to think ahead of time

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say **Hi** to the world



Please visit our website
www.hypontech.com

THE END

Thank You

