

everything⁺

HIPS PRO

3-6KP
SINGLE PHASE 2MPPTS



▶ Peak Efficiency
98.1%

📅 Max.DC Overload
150%

🗨️ Aluminum Alloy
Die Casting

💬 MES + FCT + CRM
Infrastructure

⚙️ Easy to Install and
Service

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PV INPUT

Max.PV Power / W	4500	5400	6000	7000	7500	9000
Max.Input Voltage / V	600					
Start Up Voltage / V	40					
Min.Operating Voltage / V	50					
Nominal Input Voltage / V	360					
MPPT Voltage Range / V	50-550					
Max. Input Current / V	16/16					
Max. Short Current / A	20/20					
No. Of MPPTs	2					
No. Strings Per MPPT	1					

AC OUTPUT

Rated AC Power / W	3000	3680	4000	4600	5000	6000
Max. Apparent AC Power / VA	3300	3680	4400	4600	5500	6600
Rated Grid Voltage(AC voltage range) / V	220/230/240					
Rated Grid Frequency / Hz	50/60					
Max. AC Output Current / A	14.3	16.0	19.1	20.0	23.9	28.7
Displacement Power Factor	0.8 leading - 0.8 lagging					
Total Harmonic Distortion(THDi, rated power)	<3%					
Grid Connection	L/N/PE					

EFFICIENCY

MPPT Efficiency / %	>99.9%					
Max. Efficiency / %	98.1%	98.1%	98.1%	98.1%	98.1%	98.1%
Euro Efficiency / %	97.4%	97.4%	97.5%	97.5%	97.5%	97.5%

PROTECTION

Anti-islanding Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Short Protection	Integrated
Over Voltage Protection	Integrated
Surge Protection	Integrated, DC Type II/ AC Type II
AFCI	Opt
24H Online Monitoring	Opt

GENERAL DATA

Dimensions(W*H*D) / mm	366*276*133	Operating Ambient Temperature Range / °C	-30~+60
Weight / Kg	8.2	Allowable Relative Humidity Range / %	0-100
User Interface	LCD&LED	Max. Operating Altitude / m	3000 (>3000 derating)
DC Connection Type	D4 (MC4, SUNCLIX, H4 optional)	Degree Of Protection	IP66
AC Connection Type	Plug-in connector	Climatic Category (IEC 60721-3-4)	4K4H
Communication	RS485/WiFi/4G/LAN(Opt)	Topology	No-isolated
Cooling Method	Natural	Power Consumption At Night / W	<1(Without night monitoring), <6(With night monitoring)

STANDARD

Safety	IEC62109-1/ICE62109-2 / IEC61727
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3
Cetification	EN50549/VDE4105/RD1666/CEI-10