



everything³

HPT¹ PRO

3-15KP
THREE PHASE 2MPPTS




 Peak Efficiency
98.5%

 PV Oversizing
150 %

 Maximum 16A PV
Input Current

 Optional AFCI
Function

 Protection Class
IP65

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PV INPUT

Max.PV power / W	4500	6000	7500	9000	12000	15000	18000	22500
Max.Input Voltage / V	1000							
MPP Voltage Range / V	150-850							
Start Up Voltage / V	180							
Rated Input Voltage / V	620							
Min.Operating Voltage / V	150							
Max. Input Current / A	16/16							
Max. Short Circuit Current / A	20/20							
No. of MPPTs/No. strings per MPPT	2/1							

AC OUTPUT

Rated Power/ W	3000	4000	5000	6000	8000	10000	12000	15000
Max. Apparent AC Power/VA	3300	4400	5500	6600	8800	11000	13200	16500
Rated Grid Voltage/Vac	380/400							
Grid Connection	3L/N/PE							
Rated Grid Frequency/Hz	50/60							
Max. Output Current/A	4.8	6.4	8.0	9.6	12.8	15.9	19.1	23.9
Power Factor	0.8 ind-0.8cap							
THDi@ Rated Power	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%

EFFICIENCY

Max. efficiency[%]	98.40%	98.40%	98.40%	98.40%	98.50%	98.50%	98.50%	98.50%
Euro efficiency[%]	97.40%	97.40%	97.40%	97.60%	97.60%	97.80%	97.80%	97.80%
MPPT efficiency[%]	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%

PROTECTION FUNCTION

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 Circuit Protection	Integrated
Over Voltage Protection	Integrated
Surge Protection	DC Type II/ AC Type II
AFCI	Optional
24H Online Monitoring	Optional

GENERAL DATA

Dimensions(W*H*D)/mm	465*352*130							
Weight/Kg	11.7	11.7	11.7	11.7	11.7	11.7	12.0	12.0
User interface	LCD&LED							
PV Connection Type	MC4 (D4, SUNCLIX, H4 optional)							
AC Connection Type	Plug-in connector							
Communication With Cloud	RS485/WiFi/LAN(Opt)							
Cooling Method	Natural	Natural	Natural	Natural	Natural	Natural	Smart Cooling Concept	
Operating Ambient Temperature / °C	-30°C ~ +60°C							
Relative Humidity/%	0-100							
Max. operating altitude/m	2000 (>2000 derating)							
Protection Class	IP65							
Climatic Category (IEC 60721-3-4)	4K4H							
Topology	Transformerless							
Night Consumption / W	<1 (Without night monitoring), <6 (With night monitoring)							