

everything<sup>3</sup>

# HPT<sup>1</sup>

3-11K  
THREE PHASE 2MPPTS



▶ Peak Efficiency  
**98.2 %**

📦 Max. DC Overload  
**50 %**

🗨️ Aluminum Alloy  
Die Casting

💬 MES + FCT + CRM  
Infrastructure

⚙️ Easy to Install and  
Service

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MODEL	HPT-3000	HPT-4000	HPT-5000	HPT-6000P	HPT-8000	HPT-10000	HPT-11000
<b>PV INPUT</b>							
Max. PV Power / W	4620	6160	7700	8400	11500	13000	13000
Max. Input Voltage / V	1000	1000	1000	1000	1000	1000	1000
Start Up Voltage / V	150/180	150/180	150/180	150/180	150/180	150/180	150/180
Rated Input Voltage / V	620	620	620	620	620	620	620
MPPT Voltage Range / V	150-850	150-850	150-850	150-850	150-850	150-850	150-850
MPP voltage range@full load / V	210-850	210-850	210-850	250-850	330-850	410-850	410-850
Max. Input Current / A	13/13	13/13	13/13	13/13	13/13	13/13	13/13
Max. Short Circuit Current / A	20/20	20/20	20/20	20/20	20/20	20/20	20/20
No. of MPPTs/No. Strings Per MPPT	2/1	2/1	2/1	2/1	2/1	2/1	2/1
<b>AC OUTPUT</b>							
Rated Power / W	3000	4000	5000	6000	8000	10000	10500
Max. Apparent Power / VA	3300	4400	5500	6600	8800	10000	10500
Rated Grid Voltage / V	380/400	380/400	380/400	380/400	380/400	380/400	380/400
Rated Grid Frequency / Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Max. Output Current / A	5.0	6.5	8.5	9.6	13.0	15.2	16.0
Power Factor	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging
THDi @ Rated Power	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Grid Connection	3L-N-PE	3L-N-PE	3L-N-PE	3L-N-PE	3L-N-PE	3L-N-PE	3L-N-PE
<b>EFFICIENCY</b>							
Max. Efficiency	98.00%	98.00%	98.10%	98.10%	98.20%	98.20%	98.20%
Euro. Efficiency	97.40%	97.40%	97.40%	97.40%	97.50%	97.50%	97.50%
MPPT Efficiency	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
<b>PROTECTION FUNCTION</b>							
Anti-Islanding Protection	Integrated						
PV String Input Reverse Polarity Protection	Integrated						
Insulation Resistance Detection	Integrated						
Residual Current Monitoring Unit	Integrated						
Output Over Current Protection	Integrated						
Output Short Circuit Protection	Integrated						
Over Voltage Protection	DC:II / AC:III						
Surge Protection	DC Opt, AC TypeII						
<b>GENERAL DATA</b>							
Dimensions (W*H*D) / mm	425*351*160						
Weight / kg	13.7	13.7	13.7	13.7	14.0	14.0	14.0
User Interface	LCD&LED or LED						
PV Connection Type	Mc4 (D4, SUNCLIX, H4 optional)						
Communication	RS485/WiFi/GPRS(Opt)						
Cooling Method	Natural Cooling						
Operating Ambient Temperature / °C	-25 ~ +60						
Relative Humidity / %	0 - 100						
Max. Operating Altitude / m	2000 (>2000 Derating)						
Protection Class	IP65						
Climatic Category (IEC 60721-3-4)	4K4H						
Topology	No-isolated						
Night Consumption / W	<1 (Without night monitoring), <6 (With night monitoring)						