

AURAWATT TP-H SERIES

THREE PHASE (15-50kW)



Warranty *
8 Years | 10 Years



Fanless Silent Design



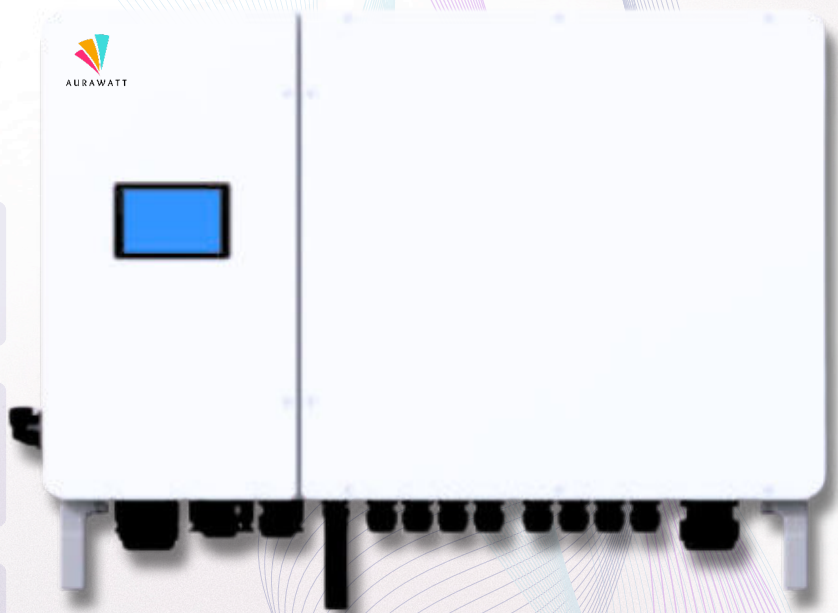
MPPTs Efficiency
99.9 %



**150% Overload
Tolerance**



**IP66 Rating
Design**



* 8 Years Standard and 10 Years Optional Warranty

DATASHEET

Model Name	15kW	20kW
	Off-grid Output	
Rated Output Power	15kW	20kW
Peak Power & Duration	16.5kVA (60s)	22kVA (60s)
Rated Voltage	3/N/PE, 220/380Vac, 230/400Vac	
Rated Frequency	50/60Hz	50/60Hz
Rated Output Current	22.5A	30A
Output THDu	<3%	
	On-grid Parameter	
Rated Output Power	15kW	20kW
Max. Input Power from Grid	30kW	40kW
Max. Input Current from Grid	44A	58A
Max. Output Current	24A	32A
Rated Grid Voltage	3/N/PE, 220/380V, 230/400V, 240/415V	
Grid Voltage Range	184-276/320-480V	
	PV Input	
Max. Input Power	30000Wp	30000Wp
Max. Input Voltage	1000V	
Number of MPPT	2	
Input String Max. Per MPPT	2	
MPPT Voltage Range	130-960V	
Rated Input Voltage	600V	
Starting Voltage	200V	
Max. Input Current	25A/25A	
Short-Circuit Current	30A/30A	
	Battery Parameter	
Number of Battery Input	2	
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion (optional)	
Battery Voltage Range	125-800V	
Full Load Battery Voltage Range	300-800V	400-800V
Battery Charge/Discharging Current	25A*2	
Peak Charging/Discharging Current-Duration	35A*2-60s	
	Efficiency	
Max. Efficiency	98.20%	
European Efficiency	97.70%	
Max. Battery Charging/Discharging Efficiency	97.80%	
	General Data	
Size (W*H*D)	573mm*509mm*219mm	
Weight	35kg	
Noise	<45dB	
Operating Altitude	5000m (>3000m Derating)	
Operating Temperature	-25°C ~ +60°C	
Cooling Method	Intelligent Air Cooling	
Ingress Protection Grade	IP65	
Monitoring	LED/WIFI/4G/Bluetooth/RS485	
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port	
Protection	DC Switch; AC Overvoltage Protection; AC Overcurrent Protection; AC Short Circuit Protection; Anti-islanding Protection; Residual Current Monitoring; PV Insulation Resistance Detection; SPD Protection (Level 2 PV & Battery); Reverse Polarity Protection; Lightning Protection	
	Certification	
CE-LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1
CE-EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62920	
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, PEA, MEA, IEC 62116, IEC 61727 NRS 097-2-1, AS 4777.2, R25, UNE217001, UNE217002, NTS 2.1, NC RfG	

DATASHEET

Model Name	25kW	30kW	50kW
Off-grid Output			
Rated Output Power	25kW	30kW	50kW
Max. Apparent Power	27.5kVA	33kVA	55kVA
Rated Voltage	3L/N/PE, 220/380V; 230/400V		
Rated Frequency	50Hz/60Hz		
Rated Output Current	36.3A	43.5A	72.5A
Max. Output Current	39.9A	47.9A	79.8A
Peak Power & Duration	150%(10s)		
Generator Input Current	150A		
THDu	<3%		
On-grid Parameter			
Rated Output Power	25kW	30kW	50kW
Rated Grid Voltage	3L/N/PE, 220/380V; 230/400V		
Rated Grid Frequency	50Hz/60Hz		
Rated Output Current	36.3A	43.5A	72.5A
Grid Input Current	150A		
PV Input			
Max. DC Input Power	75000W		
Max. Input Voltage	1000V		
Rated Input Voltage	600V		
Starting Voltage	180V		
MPPT Voltage Range	150-850V		
Max. Input Strings Per MPPT	4/8		
Max. DC Input Current	4*40A		
Short-circuit Current	4*60A		
Battery Parameter			
Battery Type	Lithium-ion/Lead-acid/Sodium-ion		
Battery Voltage Range	140-800V		
Max. Charging/Discharging Power	25kW	30kW	50kW
Max. Charging/Discharging Current	80A*2		
Number of Battery Input Ports	2		
Efficiency			
Max. Efficiency	98.60%		
European Efficiency/CEC Efficiency	97.97%		
Max. Battery Charging/Discharging Efficiency	98%		
General Data			
Size (W*H*D)	850mm*550mm*295mm		
Weight	88kg		
Noise	55dB		
Topology	Non-isolated		
Operating Temperature	-25°C~+60°C		
Operating Altitude	4000m (>3000m Derating)		
Humidity Range	0-100%		
Ingress Protection Grade	IP66		
Cooling Method	Intelligent Air Cooling		
Monitoring	LED+Bluetooth+APP, WIFI/LAN/4G		
Communication Port	RS4851, Internet/WIFI/4G, DI2, AI1, AD1, DRM*1		
DC Power	12VDC 2A		
Protection	DC Switch, Reverse Polarity Protection, AC Overvoltage/Overcurrent/Short Circuit Protection, Anti-islanding Protection, Residual Current Monitoring, Insulation Resistance Protection, Surge Protection: DC Type II / AC Type III; AFD(Optional); PID(Optional)		