

Technical Parameters

Model: HP/HP-T		AU10212	AU32224	AU50248	AU72248
Rated Power		1000W	3200W	5000W	7200W
Peak Power (20ms)		3000VA	9000VA	15KVA	21.6KVA
Battery Voltage		12VDC	24VDC	48VDC	48VDC
Product Size (L*W*Hmm)		411.5x283x88	476x350x118		538x388x118
Package Size (L*W*Hmm)		459x345x147	502x402x165		561x454x167
N.W (Kg)		7	11.5	11.8	16
G.W (Kg)		8	12.5	12.8	17.5
Installation Method		Wall-Mounted			
Inside MPPT Solar controller (Optional)	Charging Mode	MPPT			
	Rated PV input voltage	360VDC			
	MPPT tracking voltage range	120V-450V			
	Max PV Input Voltage(Voc) (At the lowest temperature)	500V			
	PV Array Maximum Power	1500W	4000W		4000W*2
	MPPT tracking channels (input channels)	1	1		2
Inside PWM Solar controller (Optional)	Charging Mode	PWM			
	Charging current	30A	60A/120A		
	PV Input Voltage Range	15-44V	30-44V	60-88V	
	Max PV Input Voltage(Voc) (At the lowest temperature)	50V		100V	
	PV Array Maximum Power	420W	1680W/3360W	3360W/6720W	
	PV input channels	1	1or 2		
Input	DC Input Voltage Range	10.5VDC-15VDC	21VDC-30VDC	42VDC-60VDC	
	Rated AC input voltage	220VAC / 230VAC / 240VAC			
	AC Input Voltage Range	170VAC~280VAC (UPS mode) / 120VAC~280VAC (INV mode)			
	AC Input Frequency Range	45Hz~55Hz (50Hz), 55Hz~65Hz (60Hz)			
Output	Peak value of output efficiency (Battery/PV Mode)	94%(peak value)			
	Output Voltage(Battery/PV Mode)	220VAC±2% / 230VAC±2% / 240VAC±2%			
	Output Frequency(Battery/PV Mode)	50Hz±0.5 or 60Hz±0.5			
	Output Wave(Battery/PV Mode)	Pure Sine Wave			
	Efficiency(AC Mode)	≥99%			
	Output Voltage(AC Mode)	Follow input			
	Output Frequency(AC Mode)	Follow input			
	Output waveform distortion (Battery/PV Mode)	≤3%(Linear load)			
	No load loss(Battery Mode)	≤1% rated power			
	No load loss(AC Mode)	≤1% rated power(charger does not work in AC mode)			
Battery	Battery Type	VRLA Battery	Charge Voltage :13.8V; Float Voltage:13.7V(Single battery voltage)		
		Customize battery	Charging and discharging parameters of different types of batteries can be customized according to user requirements (charging and discharging parameters of different types of batteries can be set through the operation panel)		
	Maximum charging current (Mains or PV or mains + PV) (Built-in MPPT controller model)	40A	60A	50A	60A
	Maximum charging current (Built-in PWM controller model)	Mains40A+ PWM controller charging current	Mains60A+ PWM controller charging current	Mains50A+ PWM controller charging current	Mains60A+ PWM controller charging current
	Charging method	Three-stage (constant current, constant voltage, floating charge)			
Protection	Battery low voltage alarm	Battery undervoltage protection value+0.5V(Single battery voltage)			
	Battery low voltage protection	Factory default: 10.5V(Single battery voltage)			
	Battery over voltage alarm	Constant charge voltage+0.8V(Single battery voltage)			
	Battery over voltage protection	Factory default: 17V(Single battery voltage)			
	Battery over voltage recovery voltage	Battery overvoltage protection value-1V(Single battery voltage)			
	Overload power protection	Automatic protection (battery mode), circuit breaker or insurance (AC mode)			
	Inverter output short circuit protection	Automatic protection (battery mode), circuit breaker or insurance (AC mode)			
Temperature protection	> 90°C(Shut down output)				
Working Mode		Mains priority/Solar priority/Battery priority(Can be set)			
Transfer Time		≤4ms			
Display		LCD+LED			
Thermal method		Cooling fan in intelligent control			
Communication(Optional)		RS485/APP(WIFI monitoring or GPRS monitoring)			
Environment	Operating temperature	-10℃~-40℃			
	Storage temperature	-15℃~60℃			
	Noise	≤55dB			
	Elevation	2000m(More than derating)			
	Humidity	0%~95% (No condensation)			
Warranty		1 year			

Note: 1. The working mode of the built-in MPPT controller model supports PV priority/battery priority/mains priority, and the working mode of the built-in PWM controller model only supports battery priority/mains priority;
2. All specifications are subject to change without prior notice.