

...we bring the sun to earth

GROVOLT



AMUMA PLUS HYBRID SERIES



KEY FEATURES

- Support Lithium battery with auto wake up
- Compatible with multiple lithium battery's communication
- Support RS232 for WIFI (optional)
- Pure sine wave output
- Powerful Charge Rate
- Hybrid with optional MPPT / PWM solar charge controller
- DC Start & Automatic Self-Diagnostic Function
- High Efficiency Design & "Power Saving Mode" to Conserve Energy
- Auto restart when Ac in recovering
- Smart battery charger design for optimized battery performance
- Selectable charging current based on applications
- AC input/DC input/Solar input optional priority
- Built-in Transformer
- Wall-Mounted

TECHNICAL SPECIFICATION



Capacity (VA)	GAP-1512	GAPS-2012	GAPS-2024	GAPS-3024	GAPS-5048	GAPS-10048
Input Voltage(DC)	12V	12V	24V	24V	48V	48V
Nominal Voltage	220VAC					
Voltage Range	154-265VAC (AC Model);185-264VAC±3V(UPS Model)					
Frequency	50-60HZ Auto sensing					
Power Factor	0.8					
Rated Power	800W	1200W	1600W	2400W	4000W	8000W
Voltage	220VAC					
Frequency	50/60HZ					
Waveform	Pure Sine Wave					
Transfer Time (AC to DC)	<8ms					
Transfer Time (DC to AC)	<8ms					
Output Voltage Regulation	±10%					
Bypass Mode	Yes					
Saver Mode	Yes					
Efficiency	>98%					
Input Protection	Circuit Breaker					
Output Protection	Circuit Breaker					
Battery Type	AGM-Deep Cycle ,Gel/Turbular/Lithium Battery					
Charging Current	20A	48A	32A	48A	30A	64A
Low Level Disconnect (Selectable)	10V or 10.5V		20V or 21V		40V or 42V	40V or 42V
PWM (Optional) controller Voltage	15VDC-50VDC		30VDC-105VDC			
MPPT(Optional) controller Voltage	15VDC-150VDC for 12V ; 30-150VDC for 24V; 60-150V for 48V					
Maximum PV array power	720W		1600W		3200W	6000W
Maximum PV array open circuit voltage	PWM:50VDC		PWM:105VDC		MPPT:150VDC	MPPT:150VDC
Maximum solar charge current	60A		60A			120A
Protections	Over load, over temp, over charging, battery low, battery reverse connect, high AC voltage etc.					
LCD Indicator Status	AC input voltage/input frequency, Output Voltage/Frequency, Battery voltage, Load current etc.					
LED Indicator Status	AC Line In:Green/Inverter:Green/Charging :Yellow/Alarm :Red					
Low Battery Alarm	Audible alarm-5 seconds beeping					
Overload Alarm	Audible alarm- continuous beeping					
Fault	Audible alarm- continuous beeping					
Temperature	0-40°C					
Humidity	-10°C-90°C Non condensing					
Accoustic Noise (db)	>55dB					
Size L*W*H(mm)	490*312*125MM	465*310*135MM			545*400*200MM	
Carton size L*W*H(mm)	430*330*173MM	555*375*198MM			660*460*270MM	
Weight (kg)	10.85	14.5	14.98	19.5	23.33	40

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