



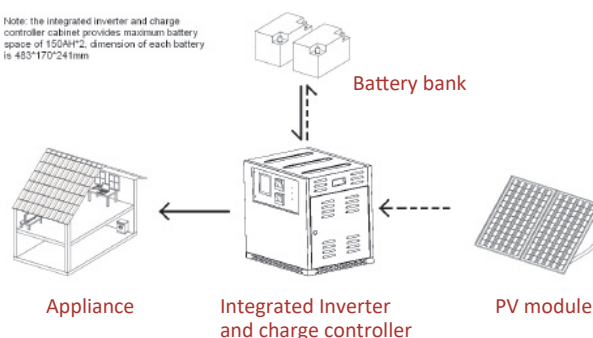
## SAP 300VA/500VA



### Leading - edge Technology

- Integrated with inverter and charger, easy installation  
內建變頻器和充電器，安裝方便
- High-frequency topology  
高頻拓撲
- Excellent performance with high efficiency  
性能優良，效率高
- Comprehensive protection including under-voltage, over-voltage, overload, short-circuit, reverse polarity etc  
綜合保護，包括：欠壓、過壓、過載、短路、反極性等
- Flexible charging setting for different battery  
不同電池的靈活充電設置
- Temperature compensation increase long term reliability and life expectancy  
溫度補償增加了長期可靠性和預期壽命

Note: the integrated inverter and charge controller cabinet provides maximum battery space of 150AH\*2, dimension of each battery is 483\*170\*241mm



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	SAP 300VA	SAP 500VA
<b>Inverter</b>		
Nominal DC voltage	24VDC	24VDC
DC voltage range	21.6VDC~30VDC	21.6VDC~30VDC
Nominal output power	300VA	500VA
Nominal output voltage	220V±3%(sine wave)	220V±3%(sine wave)
Nominal output current	1.4A	2.3A
Nominal output frequency	50Hz±3%	50Hz±3%
Total harmonic distortion	≤ 3% (for linear load)	≤ 3% (for linear load)
Power factor	0.8	0.8
Max. Efficiency	85%	87%
Overload capacity	110% < load < 125% (±10%): Fault after 60s; 125% < load < 150% (±10%): Fault after 20s; 150% < load (±10%): Fault immediately	
<b>Solar Controller</b>		
Solar input voltage	50VDC max	50VDC max
Solar input current	10A max	15A max
Equalized charging voltage	28.8V	28.8V
Equalized recovery voltage	26.4V	26.4V
Floating voltage	27.4V	27.4V
Over charge protection	30V	30V
<b>Protection</b>		
Over voltage	yes	yes
Under voltage	yes	yes
Overload	yes	yes
Short Circuit	yes	yes
Battery & Solar reverse-polarity	yes	yes
<b>General data</b>		
Dimensions (mm*mm*mm)	530*510*420	530*510*420
Weight	20KG	20KG
Noise emission	≤ 45dB	
Operating temperature	- 20°C~+ 50°C	
Relative Humidity	0~90% (non-condensing)	
Altitude	≤ 6000m	
Certificates and approvals	GB/T 19064 -2003	
Warranty	1 year	
Environment protection rating	IP 20	