

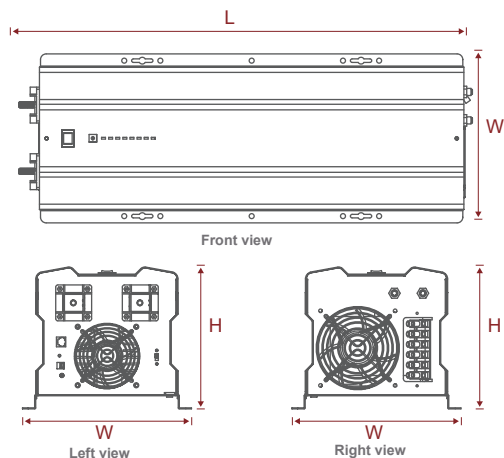
Low Frequency Pure Sine Wave Inverter/Charger



Product Features

- Stabilizing the output AC voltage to a range of 230V+/-10%.
- Connected with batteries, the AP inverter will function as a UPS with max transfer time of 10ms.
- With all the unique features from the inverter and AVR, it brings you long-term trouble free operation Beyond your expectation.
- Built-in voltage stabilisation (optional).
- Built-in solar controller MPPT (optional).
- AC Voltage: 100-110-120VAC/220-230-240VAC.
- DC Voltage: 12VDC/24VDC/48VDC.
- Remote Control Seletable (RJ11 port/RJ45 port).
- LCD Display Seletable.
- Split Phase Available : $\geq 3KW$, 120/240VAC split phase.
- Support for lithium battery charging (optional).
- BTS Seletable.
- GFCI Seletable.

• Product Dimensions



Model	Size(L*W*H)
AP 1KW~1.5KW	382*218*179mm
AP 2KW~3KW	442*218*179mm
AP 4KW~6KW	598*218*179mm

Technical Parameter

AP Pure Sine Wave Inverter / Charger								
Inverter Output	Model	1000W	1500W	2000W	3000W	4000W	5000W	6000W
	Continuous Output Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W
	Surge Rating (20S)	3000W	4500W	6000W	9000W	12000W	15000W	18000W
	Capable of Starting Electric Motor	1HP	1.5HP	2HP	3HP	4HP	5HP	6HP
	Output Waveform	Pure Sine wave / Same as input (Bypass Mode)						
	Nominal Efficiency	>88% (Peak)						
	Line Mode Efficiency	>95%						
	Power Factor	0.9-1.0						
	Nominal Output Voltage rms	100-110-120Vac / 220-230-240Vac						
	Output Voltage Regulation	±10% RMS						
	Output Frequency	50Hz ± 0.3Hz / 60Hz ± 0.3Hz						
	Short Circuit Protection	Yes, Current Limit Function (Fault after 1 sec)						
	Typical transfer Time	10ms (Max)						
	THD	<10%						
DC Input	Nominal Input Voltage	12.0Vdc						
		(*2 for 24Vdc, *4 for 48Vdc)						
	Minimum Start Voltage	10.0Vdc						
	Low Battery Alarm	10.5Vdc/11.0Vdc						
	Low Battery Trip	10.0Vdc/10.5Vdc						
	High Voltage Alarm & Fault	16.0Vdc						
	High DC Input Recovery	15.5Vdc						
	Low Battery voltage recover	13.0Vdc						
	Idle Consumption-Search Mode	<25 W when Power Saver On						
Charger	Input Voltage Range	Wide: 90~135VAC / 164-243VAC						
		Narrow: 100-135VAC / 194-243VAC						
	Output Voltage	Depends on battery type						
	Charger Breaker Rating	10A	10A	10A	20A	20A	30A	30A
	Max Charge Rate	35A/70-90A Max (Charger Current Control)						
	Over Charge Protection Shutdown	15.7V for 12Vdc (*2 for 24Vdc, *4 for 48Vdc)						
	Charger curve(4 stage constant current) 4 Step Digital Controlled Progressive Charge	Battery types (*2 for 24Vdc, *4 for 48Vdc)						
	Battery type	Fast Vdc				Float Vdc		
	Gel U.S.A	14				13.7		
	A.G.M 1	14.1				13.4		
	A.G.M2	14.6				13.7		
	Sealed Lead Acid	14.4				13.6		
	Gel Euro	14.4				13.8		
	Open Lead Acid	14.8				13.3		
	Calcium	15.1				13.6		
	De-sulphation	15.5 for 4hrs						
	Remote Control	Yes(Optional)						

AP Pure Sine Wave Inverter / Charger								
Bypass& Protection	Input Voltage Waveform	Sine wave (Grid or Generator)						
	Nominal Voltage	120Vac				230Vac		
	Low Voltage Trip	80V/90V±4%				184V/154V±4%		
	Low Voltage re engage	90V/100V±4%				194V/164V±4%		
	High Voltage Trip	140V±4%				253V±4%		
	High Voltage re engage	135V±4%				243V±4%		
	Max Input AC Voltage	150VAC				270VAC		
	Nominal Input Frequency	50Hz or 60Hz (Auto detect)						
	Low Freq Trip	47±0.3Hz for 50Hz, 57±0.3Hz for 60Hz						
	Low Freq re engage	48±0.3Hz for 50Hz, 58±0.3Hz for 60Hz						
	High Freq Trip	55±0.3Hz for 50Hz, 65±0.3Hz for 60Hz						
	High Freq re engage	54±0.3Hz for 50Hz. 64±0.3Hz for 60Hz						
	Output Short circuit protection	Circuit breaker						
	Bypass breaker rating	10A	15A	20A	30A	30A	40A	40A
	Transfer switch rating	30amp for UL&TUV				270VAC		
Max bypass current				40amp				
Mechanical Specification	Mounting	Wall mount						
	Inverter Dimensions(L*W*H)	382*218*179mm		442*218*179mm		598*218*179mm		
	Inverter Weight	16KG	17KG	20KG	24KG	35KG	45KG	45KG
	Shipping Dimensions(L*W*H)	520*315*300mm		580*315*300mm		740*315*300mm		
	Shipping Weight	18KG	19KG	22KG	26KG	37KG	47KG	47KG
	Display	Status LEDs / Status LEDs+LCD						
	Standard Warranty	1 Year						



Appearance 1



Appearance 2