CLEVER NET

INVERTER 1 KW-6 KW

Low Frequency Inverter Pure sine wave combined inverter & charger



COPPER TRANSFORMER





BATTERY CONNECTION

IR LCD



INPUT/OUTPUT CONNECTION

APPLICABLE







Features





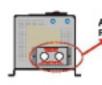


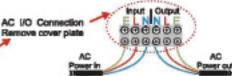


MINI CADLE IC	where St. Sm. 1.5-4.0m S0 mm* 70 mm*							
A charger or inverter	0-1.5m	cattle run distance 1.5-4.0m						
126-190 A	50 mm*	70 m m*						
180-330 A	70 mm*	90 m m*						



- Durable construction for long life under extreme environmental conditions
- . Low idle current (less than 2 watt) conserves energy when no loads are pres
- · Soft start capability for starting heavy loads
- . Built-in starting control circuits for two- and three-wire generator starting systems
- Better thermal performance allows full output power to 50 C without de-rating High surge capacity starts more difficult loads and handles overload conditions reliably
- Durable powder coaled, corrosion resistant steel chassis
- 30-70A automatic three-stage bettery charger (bulk, absorption, and float) and bettery equalization with remote temperature sensor for increased performance





IR SERIES INVERTER 1KW-6KW SPECIFICATION

MODEL				HV MC	DDEL				
IR	1012E 1024E	1512E	2012E	2024E	2524E	3024E	4048E	5048E	6048E
LINE MODE SPECIFICATIONS									
Input Voltage Waveform			Sinu	soidal (utility	or generator)			
Nominal Input Voltage			11	0Vac / 120Va	ic / 220Vac /	230Vac			
Low Line Disconnect				96Vac± 4%	6 / 155Vac± 2	2%			
Low Line Re-connect				100Vac±8%	6 / 164Vac± 2	2%			
High Line Disconnect				132Vac± 4%	6 / 272Vac± 2	2%			
High Line Re-connect				127Vac± 4%	6 / 265Vac± 2	2%			
Max AC Input Voltage				270V	rms				
Nominal Input Frequency			50	Hz/ 60Hz(Au	to detection)				
Low Line Frequency Re-connect	58+0.3Hz for 60Hz;48+0.3Hz for 50Hz;								
Low Line Frequency Disconnect	57+0.3Hz for 60Hz;47+0.3Hz for 50Hz;								
High Line Frequency Re-connect			64+0.3H	z for 60Hz;54	1+0.3Hz for 5	0Hz;			
High Line Frequency Disconnect			65+0.3H	z for 60Hz;55	5+0.3Hz for 5	0Hz;			
Output Voltage Waveform			As	same as Inp	ut Waveform				
Over-Load Protection(SMPSload)				Circuit b					
Output Short Circuit Protection				Circuit b					
Efficiency (Line Mode)				>95					
Transfer Switch Rating				30					
Transfer Time (Ac to Dc)				10ms (t)					
Transfer Time (Dc to Ac)				10ms (t)	·· /				
Pass Through Without Battery				Ye					
Max Bypass Overload Current			30A	10	-			30A	
INVERT MODE SPECIFICATIONS		•	30A					30A	
Output Voltage Waveform				Sine v	vave				
Rated Output Power (VA)	1000	1500	1500	2000	2500	3000	4000	5000	6000
Rated Output Power (W)	1000	1500	1500	2000	2500	3000	4000	5000	6000
Power Factor	1000	1300	1300			3000	4000	3000	0000
Nominal Output Voltage (V)	0~1.0								
Nominal Output Frequency (Hz)	120V/230Vac								
Auto Tracking Main Frequency(Hz)	50Hz ± 0.3Hz								
Output Voltage Regulation	Yes (Following Main first connection)50Hz @48-54Hz ;60Hz @58-64Hz								
Nominal Efficiency	± 10% rms >80%								
Nominal Efficiency	(110% <load<1< th=""><th>125%) ± 100</th><th>/ · Foult (chute</th><th></th><th></th><th>too:/1250/~/o</th><th>ad<150%) +</th><th>100/-</th><th></th></load<1<>	125%) ± 100	/ · Foult (chute			too:/1250/~/o	ad<150%) +	100/-	
Over-Load Protection(SMPS load)									
Surge Rating (10s)	Fault (shutdown output) after 60s;Load>150% ± 10%:Fault (s 3000VA 6000VA 7500VA				9000VA				
Capable Of Starting Electric Motor	1 HP						2 HP 3 HP		
Output Short Circuit Protection	1111			rrent limit (Fa			- 1 11		, , , ,
Inverter Breaker Size	10A		- 00	ircin iiiii (i a	uit aiter 103)	30A			
Nominal DC Input Voltage			12\/	241/	24\/		,	10\/	
Min DC Start Voltage	12V 24V 12V 24V 24V 48V 48V 48V 10V/20V/40V								
Low Battery Alarm	10V/20V/40V 10.5Vdc ± 0.3Vdc for 12V battery;21.0Vdc ± 0.6Vdc for 24V battery;42.0Vdc ± 0.6Vdc for 48V battery								
Low DC Input Shut-Down			*						
High DC Input Alarm & Fault		10.0Vdc ± 0.3Vdc for 12V battery;20.0vdc± 0.6Vdc for 24V battery;40.0Vdc± 0.6Vdc for 48V battery							
High DC Input Recovery	16Vdc ± 0.3Vdc for 12V battery;32Vdc ± 0.6Vdc for 24V battery; 64Vdc ± 0.6Vdc for 48V battery								
Power Saver	15.5Vdc ± 0.3Vdc for 12V battery;31.0Vdc ± 0.6Vdc for 24V battery; 62.0Vdc ± 0.6Vdc for 48V battery Load ≤ 25W (Enabled on "P/S auto" setting of Remote control)								
		Load = 2	23VV (Lilabled	011 175 aut	o setting o	i Nemote coi	ili Oi)		
CHARGE MODE SPECIFICATIONS Nominal Input Voltage				1201//2201	/00				
Input Voltage Range	120V/230Vac								
Nominal Output Voltage	196~243Vac According to the battery type								
Nominal Cutput Voltage Nominal Charge Current	254 254	454	1				254	404	50A
	35A 35A	45A	65A	35A	40A	45A	35A	40A	50A
Charge Current Regulation	± 5Adc								
Battery Initial Voltage	0 – 15.7 Vdc/31.4Vdc/62.8Vdc (can operate with 0V battery)								
Charger Short Circuit Protection	Circuit breaker Bat. V ≥ 15.7Vdc/31.4Vdc/62.8Vdc,beeps 0.5s every 1s & fault after 60s								
Over Charge Protection	E	oat. v ≥ 15.	/ VUC/31.4VUC	/o∠.ŏvac,bee	ps u.os ever	y is & fault a	ILET DUS		
GENERAL SPECIFICATIONS					-				
Safety Certification		CE							
Safety Certification	FCC								
Operating Temperature Range	0° C to 40° C								
Storage Temperature	15° C below zero to 60° C								
Operation Humidity	5% to 95%								
Audible Noise	60dB max								
Cooling		Forced air, variable speed fan 1012E/1024E/2012E/2024E/2048E/2524E/3012E/3024E/3048E:461X217X179MM4048E/5048E/6048E:636X217X179MM							
Size	1012E/1024E/2012E/2	024E/2048E	E/2524E/3012I	E/3024E/3048	3E:461X217X	(179MM4048	E/5048E//604	18E:636X217	X179MM

^{*} Product specifications are subject to change without further notice.

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