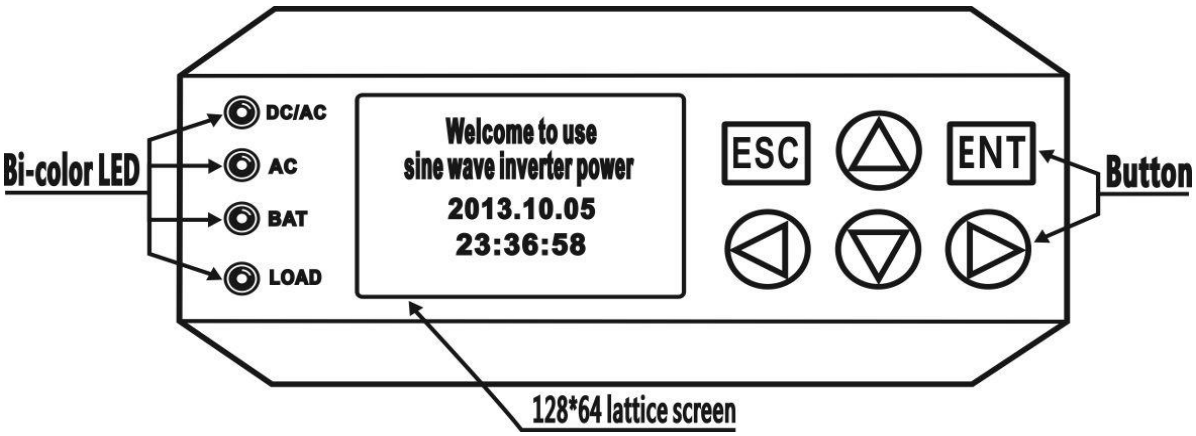
Rack Mount Telcom Inverter (0.5KVA~4KVA)

Pure Sine Wave Inverter + By Pass + LCD Display (DC110V; AC110/120/130V)

Indicator light:



Features:

- True sine wave output: 0.5~4KVA (T.H.D < 3%);
- Input voltage: DC110V;
- Output voltage: AC110/120/130V;
- Output voltage accuracy: ± 1.5% (± 3.3V);
- DC converse current noise: <10%;
- Power-on self-test, Soft output start;
- Bypass and Battery transfer: ≤ 5ms;
- By-pass AC 110V input filtering;
- Communication: RS232/485;
- Overload capacity: 100%~120%(60s), 121%~150%(10s);
- LCD Display: 128*64 lattice LCD display with blue backlight and white words;
- EMC and LCD test passed.

This Inverter design for base station; transimission substation; train station or any other utility.

- Cooling: temperature controlled cooling fans (2pcs), ONLY run if necessary;
- Fan noise: <40db (1meter);
- Working Temperature: -20~50 Celsius Degree;
- Working altitude: < 2000 meters;
- Working humidity: 0~90%, no condensation;
- Dimension: 482mm*88mm*347mmm (width*height*depth);
- Installation: rack mounting (19 inch 2U standard case).

Technical Parameters:

Technical Index		0.5KVA	1KVA	2KVA	3KVA	4KVA
DC input	Rated input voltage	DC110V				
	Rated input current	4.5A	9A	18A	27A	36A
	Allowable range of input DC-volt.	Cutoff : DC90~139V; Start-up: DC104~131V				
	Backward noise current	≤10%				
AC by-pass input	Allowable by-pass voltage	110/120V: AC132V-90V(±10V) / 130V: AC150V-110V(±10V)				
	Rated input current 110VAC	4.5A	9.1A	18.2A	27.2A	36.4A
	Rated input current 120VAC	4.2A	8.3A	16.7A	26A	33.3A
	Rated input current 130VAC	3.8A	7.7A	15.4A	23A	30.7A
	By-pass conversion time	≤5ms				
AC output	Rated capacity	500VA	1KVA	2KVA	3KVA	4KVA
	Rated output power	400W	800W	1600W	2400W	3200W
	Inverter output current 110V	3.6A	7.2A	14.4A	21.6A	29A
	Inverter output current 120V	3.3A	6.7A	13.3A	20A	27A
	Inverter output current 130V	3A	6.1A	12.3A	18.5A	24.6A
	Output voltage precision	110V: 110V±1.5%; 120V: 120V±1.5%; 130V±1.5%				
	Output frequency precision	50Hz±0.1% Or 60Hz±0.1%				
	Waveform	Pure sine wave				
	Total harmonic distortion (THD)	≤3% (linear load)				
	Dynamic response time	5% (load 0←→100%)				
	Power factor (PF)	0.8PF				
	Overload capacity	0.5~3KVA:100%-120% 60s; 4KVA:121%-150% 10s				
	Inversion efficiency (80% resistive load)	≥85%				
	By-pass conversion time	≤5ms				
Working environment	Dielectric strength (input & output)	1500Vac, 1 minute				
	Noise (1m)	≤40dB				
	Operating environment Temp.	-20℃~+50℃				
	Humidity	0~90%, no moisture condensation				
	Operating altitude	≤2000M				
Indication	LCD display	Input and output voltage, frequency, output current, temperature, percentage, etc.				
	Inverter status	Normal mains, normal inversion, battery under-voltage and output overload				
Dimensions	Standard rack (L*W*H)	0.5~3KVA: 482*347*88mm; 4KVA: 482*430*88mm				
Protection function		Input under-voltage and over-voltage, output overload and short circuit protections, etc.				

Monitor display:

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