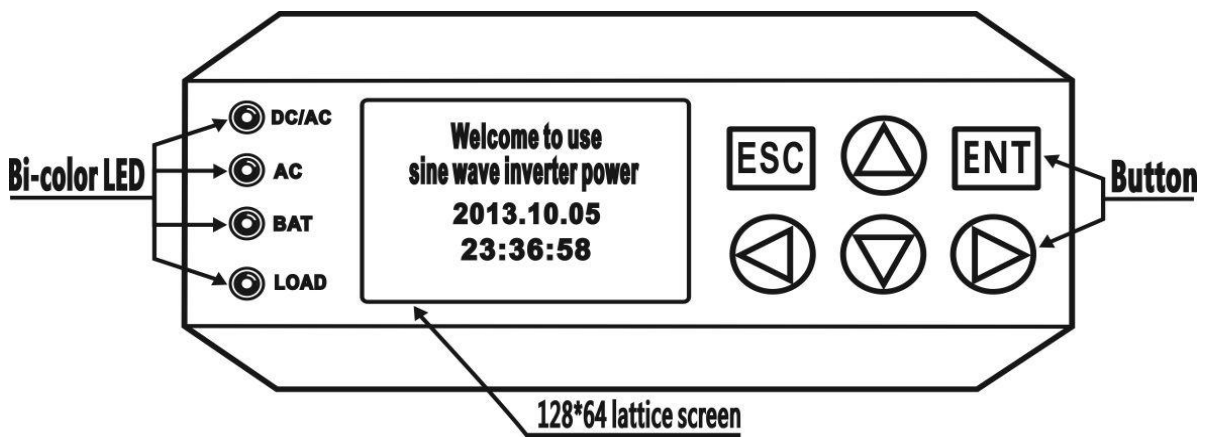


Rack Mount Telcom Inverter (1KVA~6KVA)

Pure Sine Wave Inverter + By Pass + LCD Display (DC48V; AC220/230/240V)



Indicator light:



Features:

- True sine wave output: 0.5~10KVA (T.H.D < 3%);
- Input voltage: DC48V;
- Output voltage: AC220/230/240V;
- Output voltage accuracy: $\pm 1.5\%$ ($\pm 3.3V$);
- DC converse current noise: <10%;
- Power-on self-test, Soft output start;
- Bypass and Battery transfer: $\leq 5ms$;
- By-pass AC 220V 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		1KVA	2KVA	3KVA	4K	5K	6K
DC input	Rated input voltage	DC48V					
	Rated input current	21A	42A	63A	83A	104A	125A
	Allowable range of input DCVolt.	Cutoff : DC40~60V; Startup: DC45.5~57V					
	Backward noise current	≤10%					
AC by-pass input	Allowable by-pass voltage	AC260V-180V(±10V)					
	Rated input current 220V	4.5A	9.1A	13.6A	18.2	22.7	27.3
	Rated input current 230V	4.3A	8.7A	13A	17.4A	22A	26A
	Rated input current 240V	4.2A	8.3A	12.5A	16.7A	20.8A	25A
	By-pass conversion time	≤5ms					
AC output	Rated capacity	1KVA	2KVA	3KVA	4K	5K	6K
	Rated output power	800W	1600W	2400W	3200	4000	4800
	Inverter output current 220V	3.6A	7.2A	10.8A	14.5	18.2	21.8
	Inverter output current 230V	3.5A	7A	10.4A	14A	17.4A	20.8A
	Inverter output current 240V	3.3A	6.7A	10A	13.3A	16.7A	20A
	Output voltage precision	220V: 220V±1.5%; 230V: 230V±1.5%; 240V: 240V±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	100%-120% 60s					
	Inversion efficiency (80% resistive load)	≥85%					
By-pass conversion time	≤5ms						
Working environment	Dielectric strength (input and output)	1500Vac, 1 minute					
	Noise (1m)	≤40dB					
	Operating environment Temp.	-20°C~+50°C					
	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)	482*347*88mm			482*430*88mm		
Protection function		Input under-voltage and overvoltage, output overload and short circuit protections, etc.					

Monitor display:

Inverter background program

Monitor Alarm LCD Set LCD menu

COM Set
COM Port: COM4
Baudrate: 9600
Parity Bit: N O E
Data Bit: 6 7 8
Stop Bit: 1 2
[Monitor Icon] 已开启

Data query
 Bypass mode AC normal Bat normal Inverter normal
AC Volta: 234.8V AC Freq: 50.1Hz Out Volt: 234.8V
DC Volta: 45.8V Work Freq: 50.1Hz Out Curr: 0.1A
Env Temp: 34.5°C Int Temp: 37.9°C Out Power: 32VA
[Fan Icon] [Load ratio: 1%] [Query] Auto query
REV: 1.05.181030 beta SN1A2844040015D3

Device
Address: 1
Send: 6613 Receive: 6501

Inverter Set
Inverter: 已开启 DC Main input: 已开启 AC Main input:
Daily 08:00 Min On Off Daily 23:00 Min On Off
Equipment Time: 2019/10/14 14:26:16

Version: 1.05a.1702