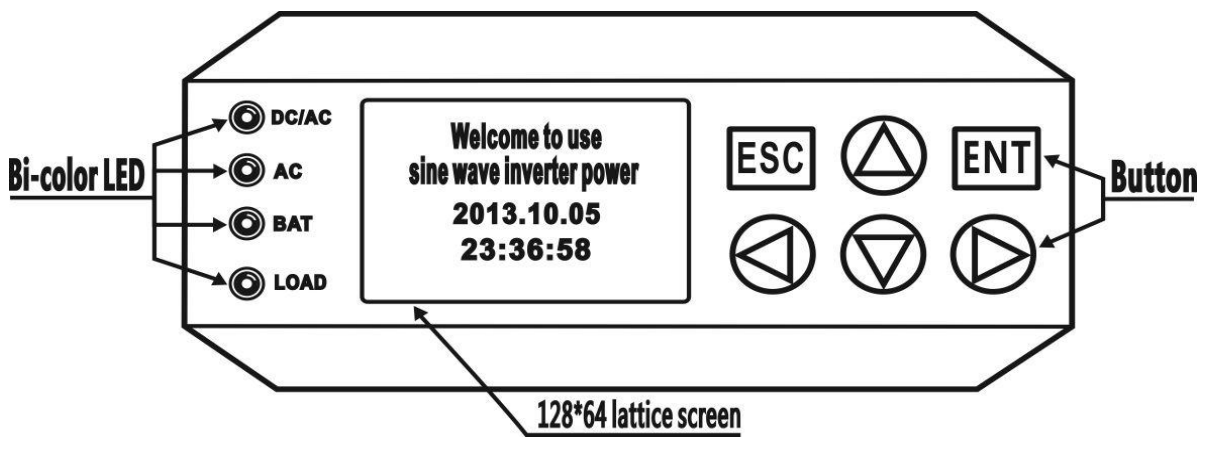


Rack Mount Telcom Inverter (0.5KVA~3KVA)

Pure Sine Wave Inverter + By Pass + LCD Display (DC48V; AC110/120/130V)



Indicator light:



Features:

- True sine wave output: 0.5~10KVA (T.H.D < 3%);
- Input voltage: DC48V;
- Output voltage: AC110/120/130V;
- 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 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
DC input	Rated input voltage	DC48V			
	Rated input current	10.4A	21A	42A	63A
	Allowable range of input DCVolt.	Cutoff : DC40~60V; Startup: DC45.5~57V			
	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
	Rated input current 120VAC	4.2A	8.3A	16.7A	26A
	Rated input current 130VAC	3A	6.1A	12.3A	18.5A
	By-pass conversion time	≤5ms			
AC output	Rated capacity	500VA	1KVA	2KVA	3KVA
	Rated output power	400W	800W	1600W	2400W
	Inverter output current 110V	3.6A	7.2A	14.4A	21.6A
	Inverter output current 120V	3.3A	6.7A	13.3A	20A
	Inverter output current 130V	3A	6.1A	12.3A	18.5A
	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	100%-120% 60s			
	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°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			
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
ParityBit: N O E
DataBit: 6 7 8
StopBit: 1 2

Data query
 Bypass mode AC normal Bat normal Inverter normal
AC Volta: 236.5V AC Freq: 50.1Hz Out Volt: 236.5V
DC Volta: 45.8V WorkFreq: 50.1Hz Out Curr: 0.1A
Env Temp: 34.3°C Int Temp: 37.9°C OutPower: 32VA
Load ratio: 1%
REV: 1.05.181030 beta SN1A2844040015D3 Auto query

Device
Address: 1
Send: 3756 Receive: 3674

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 14:13:32

Version: 1.05a.1702