

TeleStar™ I Series Single Phase DC to AC Inverters (1 - 10kVA) The ONEAC TeleStar Series is designed for telecom and datacom users who demand the best performance and maximum reliability from their electronic systems in DC Plant environments. Built to last, the TeleStar Series DC to AC Inverters provide clean AC power to ancillary loads while protecting the battery plant and associated rectifiers. The TeleStar also features an IGBT-based design that ensures the reliability of critical AC loads and eliminates the upstream cross-pollution of branch circuits. TeleStar I: for a higher level of confidence in DC to AC power.

Clean, reliable power

The reliable and versatile ONEAC TeleStar I provides clean, uninterruptible AC power to loads such as central phone systems, computers, test equipment, alarm monitors and other critical AC powered devices. The space-saving rackmount design is well suited for sensitive telecom and datacom installations. The robust inverter will also power more demanding loads such as motors, rectifiers, switch-mode power supplies and nonlinear loads.

Highly efficient and cost-effective

The TeleStar I is a highly efficient and cost-effective solution for power problems. The continuous on-line inverter design insures maximum critical load protection. The attractive NEMA1-rated enclosure mounts easily into a standard 19" or 23" rack.

- 24VDC, 48VDC, and 120VDC Input
- True On-Line Technology for Maximum Power Protection
- Reliable and Robust Design
- Powers Virtually Any Type of Load
- Easy-Access Front Door
- Pure Sine Wave Output for Optimum Performance
- Transistor Power Block Technology
- Highly Efficient Design
- Fully Rated Static Switch
- Status Display Panel with Load Bar Graph Indicator
- Output Voltage and Amp Meters
- Input to Output Isolation
- Direct Inverter (no static switch)
- Battery Noise Less than 32dBnC
- Built to Meet Stringent Industry Standards
- Low Audible Noise



- Custom Designs Available for Unique Applications
- True "Zero Break" Transfer Switch
- Short Circuit Protection
- Mounts in Standard 19" or 23" Rack
- Handles 5:1 Crest Factor Loads
- DC Input Circuit Breaker
- AC Output Circuit Breaker
- Form "C" Interface Contact
- Engineered to Deliver a Longer Year Service Life Than Competing Products
- Multiple Output Voltages (optional)
- External Maintenance Bypass Switch (optional)
- Floor Mount Kit (optional)
- 50/60Hz Model (optional)

TeleStar I Series: Specifications

DC Input	1 kVA	2 kVA	2.5 kVA	3 kVA	5 kVA	7.5 kVA	10 kVA
Nominal Voltage (DC)	24	24 48	24 48 125	48 125	48 125	125	48 125
Current (Amps)	46	92 46	114 57 23	69 28	115 46	69	230 92
Noise Feedback	less than 32dBmC						
Protection (Circuit Breaker)	60	100 60	160 80 32	80 32	160 50	80	250 125
AC Output	1 kVA	2 kVA	2.5 kVA	3 kVA	5 kVA	7.5 kVA	10 kVA
Power Rating	1kVA 1kW	2KVA 1.6kW	2.5kVA 2kW	3kVA 2.4kW	5kVA 4kW	7.5kVA 6kW	10kVA 8kW
Nominal Voltage	120VAC standard, 100/120/127/200/208/220/230/240VAC optional						
Frequency	50 or 60Hz						
Frequency Stability	± 0.01% internal crystal control						
Acceptable Bypass Sync.	standard 58.8Hz to 61.2Hz						
Regulation	± 2% over entire input voltage and load range						
Waveform	sinusoidal						
Crest Factor	5:1						
Harmonic Distortion	less than 1% with linear load from 0.8 leading to 0.8 lagging power factor						
Overload	125% for 10 min. and 150% for 60 sec.						
Protection	circuit breaker						
AC Bypass Input	1 kVA	2 kVA	2.5 kVA	3 kVA	5 kVA	7.5 kVA	10 kVA
Voltage	120VAC standard other voltages are available as an option						
Frequency	50/60Hz (bypass frequency must match the output frequency)						
Environmental	1 kVA	2 kVA	2.5 kVA	3 kVA	5 kVA	7.5 kVA	10 kVA
Operating Temperature	32°F to 122°F (0°C to 50°C)						
Cooling	forced air (front to back)						
Heat Dissipation	512 BTU/hr.	1024 BTU/hr.	1280 BTU/hr.	1535 BTU/hr.	2559 BTU/hr.	3839 BTU/hr.	5118 BTU/hr.
Humidity	0 to 95% non-condensing						
Audible Noise	less than 50dBa scale @ 1 meter						
Altitude (operating)	7000 feet (2134 meter)						
Maximum Height In. (cm.)	15.75 (40)	15.75 (40)	15.75 (40)	15.75 (40) 34 (86.36)	15.75 (40) 34 (86.36)	34 (86.36)	42 (106.68)
Maximum Width In. (cm.)	17 (43)	17 (43)	17 (43)	17 (43)	17 (43)	17 (43)	17 (43.18)
Maximum Depth In. (cm.)	15 (38)	15 (38)	15 (38)	15 (38)	15 (38)	15 (38)	20 (51)
Net Weight lbs. (kg.)	120 (55)	130 (59)	130 (59)	135 (61)	150 (68)	420 (191)	500 (227)
UL	Pending	Pending	Pending	Pending	Pending	Pending	Pending

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