www.cet-power.com

>> Y-ONE 230 VAC



STANDALONE INVERTER SYSTEM

POWER 500 VA / 800 VA / 1500 VA INPUT 48 Vdc OUTPUT 230 Vac



DESCRIPTION

Y-ONE is a compact inverter providing a pure sine wave AC supply. In conjunction with a DC Power system, it provides an excellent AC backup solution. It uses the latest inverter technology, providing superior energy efficiency in a compact size.

The "Twin Sine Innovation" (TSI) technology provides high efficiency of up to 92% reducing operating costs.

Model available in rear terminal AC output or front 2xIEC socket protected by fuse. The available models present either a rear connected bulk AC outlet or 2 front connected IEC output. See pictures.

Optional Manual By Pass available for easy Y-One module swapping.

APPLICATIONS

All business critical applications and all types of AC loads. The design is cost effective, installation easy.

MAIN FEATURES

- >> Dual input sources (AC & DC) with wide AC input range 150 Vac to 265 Vac
- >>> By-Pass function embedded
- >>> Compact design
- >>> High efficiency
- >>> Transfer time AC to DC and DC to AC reduced to 0 ms
- >>> Short depth allows 300 mm rack integration



Illustrations are non-binding and may include customized fittin

Leading AC Backup Technology

www.cet-power.com

>> Y-ONE

GENERAL ENC (minunity) EN 61000-4-2 up to 6 EMC (minunity) EN 61000-4-2 up to 6 EN 55022 (A) Safety IEC 60950-1- EN62040-1-1 Cooling / Society Cooling / Isolation Forced / Doubled MTBF 240 000 hrs 94% / 90% 94% / 90% Dielectric strength DC/AC 4300 Vdc 4300 Vdc True Redundant Systems – compliant 3 disconnection levels on AC in port RoHS Compliant Question on 10 to 10 to 20 hz 0.5 g 100 to 500 hz-1.5 g / DI Vibration GR63 office vibration 0 hz 100 hz 0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / DI Operating conditions When installed in a dusty or conside envisous environment. appropriate measures (air filtering,) must be 1 Altitude above sea without de-rating < 1500 m / dearting > 1500 m - 0.8 % per 100 m Anabient / storage temperature / relative humidity -20 to 5° C / -40 to 7° C / 9%, non-condensing Material (casing) Coated steel AC OUTPUT POWER Olagging to 0 leading Derivertarge (CO) 40 · 60 V Nominal voltage (DC) 48 V Voltage range (CC) 112 A 18 A <td< th=""><th></th></td<>	
EMC (emission) (class) EN 55022 (A) Safety IEC 60950-1- EN82040-1-1 Cooling / Isolation Forced / Doubled MTBF 240 000 hrs Efficiency (Typical): Enhanced power conversion / on line 92% / 89% 94% / 90% Dielectric strength DC/AC 4300 Vdc 4300 Vdc True Redundant Systems – compliant 3 disconnection levels on AC out and DC in power ports RoHS Compliant Compliant Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / DI Operating conditions Designed for Do rel 2-0 environment. Ambient / storage temperature / relative humidity -20 to 50 ° C / -40 to 70 ° C / 95 %, non-condensing Material (casing) Coated steel AC OUTPUT POWER Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading OciNPUT SPECIFICATIONS Voltage range (DC) 48 V Voltage range (DC) VA Actin Put SPECIFICATIONS NA Admissible load power factor	
Safety IEC 60950-1- EN62040-1-1 Cooling / Isolation Forced / Doubled MTBF 240 000 hrs Efficiency (Typical): Enhanced power conversion / on line 92% / 89% 94% / 90% Dielectric strength DC/AC 4300 Vdc True Redundant Systems – compliant 3 disconnection levels on AC out and DC in power ports RoHS Compliant Uibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / DI Operating conditions When installed in a dusty or corrosive environment, appropriate measures (air filtering,) must be 1 Altitude above sea without de-rating < 1500 m / 0.8 % per 100 m	
Cooling / Isolation Forced / Doubled MTBF 240 000 hrs Efficiency (Typical): Enhanced power conversion / on line 92% / 89% 94% / 90% Dielectric strength DC/AC 4300 Vdc 4300 Vdc True Redundant Systems - compliant 3 disconnection levels on AC out and DC in power ports RoHS Compliant Compliant Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Dr Operating conditions GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Dr Operating conditions Uber installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environment, appropriate measures (air filtering,) must be installed in a duty or consuse environm	
MTBF 240 000 hrs Efficiency (Typical): Enhanced power conversion / on line 92% / 89% 94% / 90% Dielectric strength DC/AC 4300 Vdc True Redundant Systems - compliant 3 disconnection levels on AC out and DC in power ports True Redundant Systems - compliant 4 disconnection levels on AC out and DC in power ports RoHS Compliant Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / DI Operating conditions When installed in a dusty or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. appropriate measures (affiltering,) must be in the dust or corrosive environment. AC OUTPUT POWER Coated steel Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 (b legging to 0 leading Delegging to 0 l	
Efficiency (Typical): Enhanced power conversion / on line 92% / 89% 94% / 90% Dielectric strength DC/AC 4300 Vdc 4300 Vdc True Redundant Systems – compliant 3 disconnection levels on AC out and DC in power ports RoHS Compliant Compliant Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Dr Operating conditions Compliant When installed in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a filtering and the streng of the streng	
Dielectric strength DC/AC 4300 Vdc True Redundant Systems - compliant 3 disconnection levels on AC out and DC in power ports RoHS Compliant Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / D Operating conditions GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / D Operating conditions Compliant Attitude above sea without de-rating < 1500 m / derating > 1500 m - 0.8 % per 100 m Ambient / storage temperature / relative humidity -20 to 50 ° C / -40 to 70 ° C / 95 %, non-condensing Material (casing) Coated steel AC OUTPUT POWER Coated steel Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 1500 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading Dotlage (DC) 48 V Voltage range (DC) Voltage range (DC) 412 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage kAC) Voltage range (AC) 230 V Voltage range	
3 disconnection levels on AC out and DC in power ports True Redundant Systems – compliant 4 disconnection levels on AC in port RoHS Compliant Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Dr Operating conditions When installed in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, approxemation and the dust of coated steel AC OUTPUT POWER Coated steel Nominal output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity	
True Redundant Systems - compliant 4 disconnection levels on AC in port RoHS Compliant Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Dr Operating conditions When installation in an IP20 or IP21 environment. Vibration < 1500 m / derating > 1500 m - 0.8 % per 100 m Attitude above sea without de-rating < 1500 m / derating > 1500 m - 0.8 % per 100 m Ambient / storage temperature / relative humidity -20 to 50 ° C / -40 to 70 ° C / 95 %, non-condensing Material (casing) CoutPUT POWER Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 1500 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS 48 V Voltage range (DC) 48 V Voltage range (DC) 48 A 33 A Maximum input current (art 40 V and 400W (Y-one 500)/640 W (Y-one 500)/640 W (Y-one 500) 112 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A AC N/A <	
A disconnection levels on AC in port RoHS Compliant Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Dr Operating conditions Designed for installation in an IP20 or IP21 environment. When installed in a dusty or corrosive environment, appropriate measures (air filtering,) must be 1 Attitude above sea without de-rating < 1500 m / derating > 1500 m - 0.8 % per 100 m Ambient / storage temperature / relative humidity -20 to 50 ° C / -40 to 70 ° C / 95 %, non-condensing Material (casing) Coated steel AC OUTPUT POWER Coated steel Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 1500 m / derating > 0 lagging to 0 leading Designed for installation in the compliant 0 lagging to 0 leading Court y SpecificArtions 0 lagging to 0 leading Nominal voltage (DC) 48 V Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/200 W (Y-One 500)/640 W (Y-one 800)/200 V (Y-One 500)/640 W (Y-one 800)/200 V (Y-One 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A AC INPUT SPECIFICATIONS N/A Mo	
Vibration GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Dr Operating conditions Designed for installation in an IP20 or IP21 environment. Altitude above sea without de-rating < 1500 m / derating > 1500 m - 0.8 % per 100 m Ambient / storage temperature / relative humidity -20 to 50 ° C / -40 to 70 ° C / 95 %, non-condensing Material (casing) Coated steel AC OUTPUT POWER Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS 48 V Voltage range (DC) 48 V Voltage range (DC) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSC Input voltage boundaries N/A Coated V S0 A / 2 mV PSC S0 A / 2 mV PSC Input voltage (AC) 230 V Voltage range (AC) S00 / 400 S0 A / 2 mV PSC Brownout 150 to 185 V linear derating 150 A / 2 mV PSC S0 A / 2 mV PSC S0 A / 2 mV PSC	
Operating conditions Designed for installation in an IP20 or IP21 environment. When installed in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be in a dusty or corrosive environment, appropriate measures (air filtering,) must be indicated within a dusty or corrosive environment, appropriate measures (air filtering,) must be indicated within a dusty or corrosive environment, appropriate measures (air filtering,) must be indicated within a dusty or corrosive environment, appropriate measures (air filtering,) must be indicated within a dusty or corrosive environment. Additional Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 500 / 400 800 / 640 1500 / 1200 Admissible load power factor 0 lagging to 0 leading 0 DC INPUT SPECIFICATIONS 48 V Voltage range (DC) Nominal outrage (DC) 48 V 33 A 00//1200 W (Y-one 1500) 112 A 18 A 00//1200 W (Y-one 1500) 50 A /	
Operating conditions When installed in a dusty or corrosive environment, appropriate measures (air filtering,) must be 1 Altitude above sea without de-rating < 1500 m / derating > 1500 m - 0.8 % per 100 m Ambient / storage temperature / relative humidity -20 to 50 ° C / -40 to 70 ° C / 95 %, non-condensing Material (casing) Coated steel AC OUTPUT POWER Coated steel Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS 40 - 60 V Nominal voltage (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/120 M (Y-One 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSC Input voltage (AC) 230 V Voltage range (AC) 150 to 185 V linear derating	taken.
Altitude above sea without de-rating < 1500 m / derating > 1500 m - 0.8 % per 100 m Ambient / storage temperature / relative humidity -20 to 50 ° C / -40 to 70 ° C / 95 %, non-condensing Material (casing) Coated steel AC OUTPUT POWER 0 Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS 0 Nominal voltage (DC) 40 · 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-one 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO 10 A / 2 mV PSO Input voltage (AC) 230 V Voltage range (AC) Voltage range (AC) 150 to 185 V linear derating	taken.
Ambient / storage temperature / relative humidity -20 to 50 ° C / -40 to 70 ° C / 95 %, non-condensing Material (casing) Coated steel AC OUTPUT POWER S00 / 400 800 / 640 1500 / 1200 Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS 48 V Voltage range (DC) 48 V Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-one 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A 230 V 150 to 185 V linear derating 150 to 185 V linear derating Brownout 150 to 185 V linear derating 150 to 185 V linear derating 150 to 185 V linear derating	
Material (casing) Coated steel AC OUTPUT POWER Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS Nominal voltage (DC) 48 V Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-one 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage (AC) 230 V Voltage range (AC) 150 - 265 V 150 - 265 V Brownout 150 to 185 V linear derating 150 to 185 V linear derating 150 to 185 V linear derating	
AC OUTPUT POWER Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS Nominal voltage (DC) 48 V Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-One 1500)) Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSC Input voltage boundaries N/A AC INPUT SPECIFICATIONS Nominal voltage (AC) 230 V Voltage range (AC) 150 to 185 V linear derating	
Nominal Output power (VA) / (W) 500 / 400 800 / 640 1500 / 1200 Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS 48 V Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-One 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A AC INPUT SPECIFICATIONS X/A Nominal voltage (AC) 230 V 150 - 265 V 150 - 265 V Brownout 150 to 185 V linear derating 150 to 185 V linear derating	
Short time overload capacity 150 % (15 seconds) 110 % permanent within T° range Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS 48 V Nominal voltage (DC) 40 - 60 V Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-One 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A 230 V Voltage range (AC) 150 - 265 V Brownout 150 to 185 V linear derating 150 to 185 V linear derating	
Admissible load power factor 0 lagging to 0 leading DC INPUT SPECIFICATIONS Nominal voltage (DC) Voltage range (DC) Voltage range (DC) Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-One 1500)) Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A C INPUT SPECIFICATIONS Nominal voltage (AC) C 150 - 265 V Itio 185 V linear derating Brownout	
DC INPUT SPECIFICATIONS Nominal voltage (DC) 48 V Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-One 1500)) 11.2 A 18 A 33 A S00/1200 W (Y-One 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSC Input voltage boundaries N/A XA XA XA AC INPUT SPECIFICATIONS 230 V 230 V Voltage range (AC) 150 - 265 V Brownout 150 to 185 V linear derating 150 to 185 V linear derating 150 to 185 V linear derating	
Nominal voltage (DC) 48 V Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-One 1500)) 11.2 A 18 A 33 A S00/1200 W (Y-One 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A AC INPUT SPECIFICATIONS 230 V Voltage range (AC) 230 V Voltage range (AC) 150 to 185 V linear derating	
Voltage range (DC) 40 - 60 V Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-One 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A AC INPUT SPECIFICATIONS Nominal voltage (AC) 230 V Voltage range (AC) 150 - 265 V Brownout 150 to 185 V linear derating	
Nominal current (at 40 V and 400W (Y-one 500)/640 W (Y-one 800)/1200 W (Y-One 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A AC INPUT SPECIFICATIONS Nominal voltage (AC) 230 V Voltage range (AC) 150 - 265 V Brownout	
800)/1200 W (Y-One 1500)) 11.2 A 18 A 33 A Maximum input current (for 15 second) / voltage ripple 17 A / 2 mV PSO 27 A / 2 mV PSO 50 A / 2 mV PSO Input voltage boundaries N/A AC INPUT SPECIFICATIONS Nominal voltage (AC) 230 V Voltage range (AC) 150 - 265 V Brownout	
Input voltage boundaries N/A AC INPUT SPECIFICATIONS Nominal voltage (AC) 230 V Voltage range (AC) 150 - 265 V Brownout 150 to 185 V linear derating	
AC INPUT SPECIFICATIONS Nominal voltage (AC) 230 V Voltage range (AC) 150 - 265 V Brownout Brownout	2
Nominal voltage (AC) 230 V Voltage range (AC) 150 - 265 V Brownout 150 to 185 V linear derating	
Voltage range (AC) 150 - 265 V Brownout 150 to 185 V linear derating	
Brownout 150 to 185 V linear derating	
Brownout	
400 VA @ 150 Vac 640 VA @ 150 Vac 1200 VA @ 150 V	
	ac
Conformity range before transfer to DC Adjustable	
Power factor > 99%	
Frequency range (selectable) / synchronization range 50 – 60 Hz / range 47 – 53 Hz / 57 – 63 Hz	
AC OUTPUT SPECIFICATIONS	
Nominal voltage (AC*) 230 V	
Frequency / frequency accuracy 50 or 60 Hz / ±0.01 %	
Total harmonic distortion (resistive load) < 1.5 %	(())
Load impact recovery time 0.4 ms	
Turn on delay 20 s	
Nominal current. Protected against reverse current 2.2 A 3.5 A 6.5 A	
Crest factor at nominal power 2.8 : 1	
With short circuit management and protection	
Short circuit current capacity 2.1 In during 15 s and 1.5 In after 15 s	
TRANSFER TIME PERFORMANCE AC to DC and DC to AC	
Max. voltage interruption / total transient voltage duration (max) 0 ms / 0 ms	
SIGNALING & SUPERVISION	
Display Synoptic LED on front of the module	
Alarms output / supervision Dry contact on shelf at the rear of the module	
Remote on / off On rear terminal of the module	

TSI Y-ONE 230 - Datasheet v1.1 Specifications can change without notice. New data will be updated on our Web site: www.cet-power.com. The present equipment is protected by several international patents, trademarks and copyrights.

250 mm 1 U 485 mm / 19"

Illustrations are non-binding and may include customized fitti



*Operation within lower voltage networks leads to de-rating of power performances.

