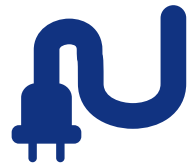


GTI3-3



Robust Uninterruptible Power Supply from 10kVA to 200kVA

GTI3-3 is suitable for industrial applications and facilities because of its robustness and unique ventilation design. To increase operation reliability, GTI3-3 series is allowed to connect two separate power inputs.

PERFORMANCES

- ▶ True online double conversion with DSP control
- ▶ Robust electrical performance to prevent damage from top and bottom connections
- ▶ Screwless cabinet design and fully coating PCBAs to withstand harsh environment
- ▶ Unique ventilation design for effective heat dissipation
- ▶ Flexible battery configuration adapts different applications
- ▶ Accepts dual-mains inputs
- ▶ Front access makes maintenance and replacement easily
- ▶ High short-circuit and overload capabilities
- ▶ Easy integration into existing electrical networks or generator
- ▶ Parallel capability up to 4 units

APPLICATIONS

The best protection for critical systems

- ▶ Industrial process (and control system, industrial machinery, instrument and measurement, process monitoring and control, security and transport systems....)
- ▶ Infrastructures (Hospital, airport, semiconductor, water treatment, metallurgy)
- ▶ Energy industry (gas and oil, nuclear power)
- ▶ Military application



PT. ENERPLUS SEJATI

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FROM 10kVA TO 200 kVA

NER PLUS

TECHNICAL CHARACTERISTICS

MODEL		GTI 3-3 10K	GTI 3-3 15K	GTI 3-3 20K	GTI 3-3 30K	GTI 3-3 40K	GTI 3-3 60K	GTI 3-3 80K	GTI 3-3 100K	GTI 3-3 120K	GTI 3-3 160K	GTI 3-3 200K
CAPACITY		10KVA / 8KW	15KVA / 12KW	20KVA / 16KW	30KVA / 24KW	40KVA / 32KW	60KVA / 48KW	80KVA / 64KW	100KVA / 80KW	120KVA / 96KW	160KVA / 128KW	200KVA / 160KW
INPUT	Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N or 3Ph + N + G)										
	Acceptable Voltage Range	304VAC ~ 456VAC										
OUTPUT	Frequency	50Hz ±5 Hz (±10%)										
	Nominal Voltage	3 x 380VAC/400VAC/415VAC (Selectable)										
	Connection Type	Hardwire 5-wire (3Ph+N+G)										
	Waveform	Pure Sinewave										
	Output Voltage Stability	±1%										
	Steady state	±5%										
	Transient state	50 Hz										
	Frequency Stability	± 1%										
	Frequency Synchronisation Range	± 5Hz (Equal to bypass working range)										
	Frequency Synchronisation Speed	1 ~ 2 Hz/s										
	Power Factor	0.8										
	Crest Factor	3:1										
	Total Harmonic Distortion (THDv)	< 2% (Linear Load) < 4% (Non-linear Load)										
	Dynamic in-rush Voltage Range	0%~>100%~>0% (R Load) < ±5% ; 20%~>100%~>20% (R Load) ±3%										
	Dynamic Recovery Time (III Grade)	0%~100% RCD load : < 60 ms recover to 90% of nominal voltage										
BYPASS	Phase Displacement	120° ±1% (balanced load) 120° ±2% (imbalances 50% of the load)										
	Transfer Time	0 ms										
	Overload Capability	0% ~ 110% continuous running; 110% ~ 150% for 10 min~1 min; >160% for 200ms										
	Short-circuit Capability	60~100ms										
	Transient Response Time	< 5ms										
	Connection Type	Hardwire 5-wire (3Ph+N+G)										
	Input Voltage Range	220VAC ± 25%										
	Overload Capability	1.5 In~1.8 In 1h~30s										
	Short-circuit Capability	1.8 In ~ >2.0 In 30s~200ms										
	Efficiency (At Linear Load)	90%	90%	91%	91%	91%	91%	92%	92%	92%	92%	92%
SYSTEM	ECO Mode (Non-parallel models)	No										
	EPO Function	Yes										
	Standard	IEC 61000-4-5 Protection surge, IEC 62040-2 EMC/EMI, IEC62040-1 Safety										
	Type	6 pulse										
BATTERY & CHARGER	Rectifier	384 VDC										
	Rated output voltage	395VDC ~ 435VDC (Adjustable)										
	Charger voltage	395VDC ~ 435VDC (Adjustable)										
	Charging current(max)	20A	20A	40A	40A	40A	40A	40A	40A	40A	50A	50A
	Battery	Support VRLA Battery										
	Numbers	32 Pcs (29 ~ 32 adjustable)										
	Reverse Diode	No										
PHYSICAL	Cold Start	Yes										
	IP Protection	IP20 (Default), IP21/IP31 (Option)										
	Dimensions, D x W x H(mm)	800 x 800 x 1800							800 x 1200 x 1800		800 x 1600 x 1800	
ENVIRONMENT	Net Weight (Kgs)	350	370	420	450	480	730	790	1000	1300	1400	1700
	Operating Temperature	0~ 35°C continuous running, 40°C 8-hour running at nominal input voltage, recharging batteries and no overload, 45°C derating to 85% with linear load										
	Humidity	0~90% (non-condensing)										
MANAGEMENT	Noise Level	Less than 70dB @ 1 Meter										
	Modbus RS-232/RS485	Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux and MAC										
	Dry Contacts	6 outputs and 2 inputs										
	Optional SNMP	Power management from SNMP manager and web browser										

Product specifications are subject to change without further notice

