

GPTS ADVANCE SERIES

6- 120 KVA

3-phase AVR - Continuous power conditioning & protection for critical applications

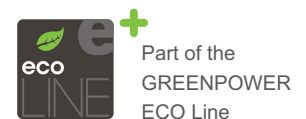


High Efficiency Performance

The full-automatic AC voltage stabilizer three phase is a leading market product of GREENPOWER. When grid network voltage is unstable or when the load current fluctuating causing the voltage drops or increase, this product helps to provide stable voltage to your connected load. It is composed of three contact type voltage regulator, servo-motor, and automatic control circuit. The automatic control circuit samples, amplifies, and sends signals to drive the servo-motor to adjust the position of the carbon brush of the contact type voltage regulator. This regulates the output voltage of the stabilizer to the rated value and stabilizes the voltage finally. The GPTS series has an additional advantage due to the control circuit on each phase that drives the motor of each regulator transformer according to independent phase voltage fluctuation.

This series of voltage stabilizer possesses visible advantages such as elegant appearance, compact design, light weight, high efficiency, no distortion of output waveform, complete protection functions, long service life, and durability. To guarantee top quality, high-quality components are adopted, and strict quality inspection is carried out.

This series of voltage stabilizers is suitable for areas where the power grid fluctuates frequently or changes greatly along the season. It can be widely applied to industry, scientific research, and medical supply to ensure the normal running of electric equipment.



HIGHLIGHTS

- DSP & SERVO MOTOR CONTROL
- INDEPENDENT PHASE VOLTAGE STABILIZATION
- INPUT ISOLATION TRANSFORMER (OPTIONAL)
- PHASE LOSS PROTECTION
- SOVP SOFT START - START OVER VOLTAGE PROTECTION
- CURRENT INTERRUPT ELIMINATION
- 100% PURE COPPER WINDING TRANSFORMERS



Commercial Facilities



Medical Systems



Industrial Robots



Airport Applications



Elevators Escalators



VFD Applications

MODEL	GPTS-6	GPTS-10	GPTS-15	GPTS-20	GPTS-30	GPTS-45	GPTS-50	GPTS-60	GPTS-75	GPTS-90	GPTS-100	GPTS-120
INPUT												
Nominal Voltage	380-400-415 Vac 3-Phase											
Input Frequency	50 Hz \pm 5%											
Input Voltage Stabilization Range	\pm 15%, 25%, 30% or any asymmetrical range											
Admitted Load Variation	0~100%											
Admitted Load Unbalance	upto 100%											
Number of Phases	3W + N or 3W + Neutral Point Reactor											
Coupling	Wye or Delta with Neutral Point Reactor											
OUTPUT												
Nominal Power (kVa)	GPTS-6	GPTS-10	GPTS-15	GPTS-20	GPTS-30	GPTS-45	GPTS-50	GPTS-60	GPTS-75	GPTS-90	GPTS-100	GPTS-120
Number of Phases	3 ϕ 3W + N											
Nominal Voltage	380-400-415 Vac 3-Phase											
Output Accuracy	\pm 1%											
Output Power Factor	cos ϕ 0.8											
Sync Frequency Tracking	50/60 \pm 5%											
Harmonic Distortion	<1%											
Overload Handling	200% for < 2min											
Efficiency on ECO mode	>98%											
OUTPUT & BYPASS MECHANISM												
Regulation to bypass	Via SWMB or Bypass Isolator Switch											
Automatic Static Bypass	Optional											
Output	AC Power Contactor											
ADDONS & PROTECTIONS												
Input galvanic isolating transformer	Optional											
Neutral Generating Kit	Optional											
EMI/RFI Filters	Optional											
Over Voltage Protection	Optional Class I/II surge arrestors											
Phase Failure Protection	Available											
Built-in Standard Protection	Over Voltage/Under Voltage & Overload											
Phase Sequence Error	Optional											
Fused Auxiliary Circuit	Optional											
Grid loss protection	Output Voltage Reset to the minimum Value via SOVP soft start circuitry											
INSTRUMENTATION, OPERATING CONDITIONS & STANDARDS												
Instrumentation	Standard Input/Output Power Analysis Display											
Standard Communications	USB/Ethernet / Modbus TCP/IP											
HMI	Optional Hi-Res Touch Screen											
Parallel Connection	Optional											
Ambient Temperature	-20°C ~ +40°C											
Relative Humidity	<95%, non-condensing											
Storage	-25°C ~ +60°C											
Cooling	Free Conventional with Fans											
Protection Level	Ip21 (others upon request)											
Regulations according to IEC 61439-2-2011	EN 61439-1-2: 2011, EN 61000-6-2: 2005, 2007/ A1: 2011											
Approvals	CE, TUV upon request											

In the interest of continuous product development, specifications are subject to change without prior notification or can be customized accordingly



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DANGER
Risk of High Voltage



CAUTION
Risk of Electric Shock



COMPULSORY
Wiring must be carried by expert electrician only

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