

GALAXY PLUS

3:1 10 - 120kVA



The Emmerich's Galaxy Plus series is one of the most reliable for industrial applications and facilities, because of its robustness and unique ventilation design. To increase operation reliability, Galaxy Plus series is allowed to connect two separate power inputs. Emmerich's Galaxy Plus series provide maximum protection with reliable galvanically isolated power and power quality for mission critical loads, including data centres, industrial processes,

telecommunications, security and electro - medical systems. Emmerich's Galaxy Plus series is an on-line double conversion UPS which embedded with isolation transformer. Galaxy Plus series will eliminate common mode noise and the need to install expensive dedicated circuits. Galaxy Plus series includes three-phase input and single-phase output versions from 10 to 120 kVA, and three-phase input and output versions from 10 to 800 kVA.

Plus, the reliability of the system can be increased with the installation of several redundant units or it can grow in parallel based on the needs of the installation.



PERFORMANCES

- True online double conversion with DSP control.
- Output power factor 0.9.
- 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.
- 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.

MODEL	GPM 10	GPM 20	GPM 30	GPM 40	GPM 60	GPM 80	GPM 100	GPM 120
PHASE (IN/OUT)	3 PHASE / 1 PHASE							
CAPACITY	10 KVA / 8 KW	20 KVA / 16 KW	30 KVA / 24 KW	40 KVA / 32 KW	60 KVA / 48 KW	80 KVA / 64 KW	100 KVA / 80 KW	120 KVA / 96 KW
INPUT								
Nominal Voltage	3 x 380 VAC (3Ph + G or 3Ph + N + G)							
Acceptable Voltage Range	304 VAC ~ 456 VAC							
Frequency	50Hz ±5 Hz (±10%)							
OUTPUT								
Nominal Voltage	220 VAC/230 VAC/240 VAC (Selectable) 1Ph + N							
Connection Type	Hardwire 3-wire (1Ph+N+G)							
Waveform	Pure Sinewave							
Output Voltage Stability	Steady state	± 1%						
	Transient state	± 5%						
Frequency	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							
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							
BYPASS								
Connection Type	Hardwire 3-wire (1Ph+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							
SYSTEM								
Efficiency (At Linear Load)	≥ 90%							
ECO Mode (Non-parallel models)	Yes							
EPO Function	Yes							
Standard	IEC 61000-4-5 Protection surge, IEC 62040-2 EMC/EMI, IEC62040-1 Safety							
BATTERY & CHARGER								
Rectifier	Type	6 pulse						
	Rated output voltage	384 VDC						
	Charger voltage	290VDC ~ 435VDC (Adjustable)						
	Charging current(max)	20A	40A					
Battery	Type	Support VRLA Battery						
	Numbers	32 Pcs (29 ~ 32 adjustable)						
	Reverse Diode	Yes						
	Cold Start	Yes						
PHYSICAL								
IP Protection	IP20 (Default), IP21/IP31 (Option)							
Dimensions, D x W x H (mm)	800 x 800 x 1800						800 x 1200 x 1800	
Net Weight (Kgs)	360	400	430	490	610	680	900	920
ENVIRONMENT								
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)							
Noise Level	Less than 70dB @ 1 Meter							
MANAGEMENT								
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 design, colour and specifications are subject to change without further notice.



PT. SENTRA POWER NUSANTARA

Office : Perkantoran Green Ville Blok AW No.20 Jakarta Barat - 11510, Indonesia
 Telp : +62 21 5698 1101 (Hunting)
 Fax : +62 21 5698 1102
 Email : info@sentrapower.com

