

# GALAXY NET

**3:1 10 - 40kVA**

**3:3 10 - 200kVA**



The Emmerich's Galaxy Net series is one of the most reliable, high-performance three - phase Uninterruptible Power Supply system (UPS) on the market, and 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.

Galaxy Net is an on-line double conversion UPS which embedded with isolation transformer. Galaxy Net series will eliminate common mode noise and the need to install expensive dedicated circuits. The Galaxy Net range includes three-phase input and single-phase output versions from 10 to 40 kVA, and three-phase input and output versions from 10 to 200 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

- Online double-conversion.
- Output power factor 0.8
- Accept dual-mains input.
- Adjustable battery numbers.
- True galvanic isolation transformer design.
- DSP technology guarantees high reliability.
- Parallel operation with up to 4 units (option).
- Control designed to withstand all kinds of loads.
- Intelligent battery management to prolong battery lifecycle.
- Independent ventilation enhance durable operation under harsh environment.

MODEL	GNM 10	GNM 20	GNM 30	GNM 40	GNT 10	GNT 15	GNT 20	GNT 30	GNT 40	GNT 60	GNT 80	GNT 100	GNT 120	GNT 160	GNT 200		
<b>PHASE (IN/OUT)</b>	3 PHASE / 1 PHASE				3 PHASE / 3 PHASE												
<b>CAPACITY</b>	10 KVA / 8 KW	20 KVA / 16 KW	30 KVA / 24 KW	40 KVA / 32 KW	10 KVA / 8 KW	15 KVA / 12 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	160 KVA / 128 KW	200 KVA / 160 KW		
<b>INPUT</b>																	
Nominal Voltage	3 x 380 VAC/400 VAC																
Acceptable Voltage Range	285 VAC ~ 475 VAC				285 VAC ~ 485 VAC												
Frequency	50/60 Hz ± 10 %																
<b>INVERTER</b>																	
Nominal Voltage	220 VAC/230 VAC/240 VAC (1Ph + N)				3 x 380 VAC/400 VAC (3Ph + N)												
Precision	Stationary: ±1% Transitory: ±5% (load variations 100-0-100%)																
Frequency	50/60 Hz synchronised ±1 % With mains absent ±0.1 Hz																
Max. Synchronization Speed	±1 Hz/s																
Waveform	Pure Sinewave																
Total Harmonic Distortion (THDv)	<2% (Linear Load) ; <5% (Non-linear Load)																
Dynamic Recovery Time	3 cycles at 90 % of the static value																
Admissible Overload	110% for 10min; 150% for 60sec ; >160% for 200ms																
Admissible Crest Factor	3:1																
Admissible Power Factor	0.6~1 (inductive or capacitive)																
Imbalance Output Voltage @ 100% Unbalanced Load	<1%																
Total Harmonic Distortion (THDv)	High overload, short-circuit: RMS Voltage Limit High Crest-Factor current: Peak Voltage Limit																
<b>STATIC BYPASS</b>																	
Type	Solid state																
Voltage	220 VAC				380 VAC/400 VAC (3Ph + N)												
Frequency	50/60 Hz																
Activation Criterion	Microprocessor control																
Transfer Time	Zero																
Admissible Overload	150% for 1 hour; 180% for 30sec; >200% for 200ms																
Transfer to Bypass	Immediate, for overloads above 160%																
Retransfer	Automatic after alarm clear																
<b>MAINTENANCE BYPASS</b>																	
Type	Without interruption																
Voltage	220VAC				380VAC/400VAC (3Ph + N)												
Frequency	50/60 Hz																
<b>SYSTEM</b>																	
Overall Efficiency	Line Mode	≥ 92%				≥ 93%				≥ 94%							
	Battery Mode	≥ 92.5%				≥ 93%				≥ 94%							
ECO Mode (Non-parallel models)	Yes																
EPO Function	Yes																
Standard	IEC 61000-4-5 Protection surge, IEC 62040-2 EMC/EMI, IEC62040-1 Safety																
<b>BATTERY &amp; CHARGER</b>																	
Battery Type and Numbers	12VDC x 32 pcs (29~32 pcs adjustable)																
Nominal Battery Voltage	384 VDC (Based on 32pcs batteries)																
Charging Method	CC/CV																
Precision	±1%																
Charging Current	Default 10A; Maximum 40A; 5A@ full load																
Charging Voltage	432 VDC (Based on 32pcs batteries)																
<b>PHYSICAL</b>																	
Dimensions, D x W x H (mm)	656 x 405 x 817			821 x 432 x 1159	656 x 405 x 817			656 x 405 x 941	821 x 432 x 1159		975 x 554 x 1286		975 x 554 x 1326	1051 x 705 x 1646			
Net Weight (Kgs)	118	145	193	278	118	128	145	193	278	365	471	573	650	760	790		
<b>ENVIRONMENT</b>																	
Operation 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																
Operation Humidity	0~90% (non-condensing)																
Noise Level	Less than 70dB @ 1 Meter																
<b>MANAGEMENT</b>																	
Modbus RS-232/RS485	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC																
Dry Contacts	6 outputs and 2 inputs																
Optional SNMP	Power management from SNMP manager and web browser																

\* The maximum current is never higher than 40A.

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

