



# Giant I Series -Tower

PRO63100-GL, PRO63300-L



Electro-Medical Device



PLC Control Systems



Emergency Alarm Devices



Building Management System



**ProLink Giant I Series 3 phase UPS** system uses true online double conversion technology with galvanic isolation transformer design which guarantees to supply consistent and quality electrical power to protect your mission critical applications. DSP control technology is implemented for the system to have improved performance and high reliability.

All internal PCBAs are coated to withstand harsh environment.

Users can easily monitor and access to their UPS status from a comprehensive LCD display. The UPS systems have USB and RS-232 communication ports as standard, with a built-in intelligent slot for additional adapters, protocol converters and relay contact cards. SNMP option is also available for power management via SNMP manager and web browser. Giant I (3P/1P) series is available in models ranging from 10kVA to 40kVA and Giant [3P/3P] series is from 10kVA to 200kVA.

In addition, the system comes with a parallel redundant configuration option that allows four units to operate in parallel.

## Key Features

- **Online double-conversion**
- **DSP technology guarantees high reliability**
- **True galvanic isolation transformer design**
- **Control designed to withstand all kinds of loads**
- **Intelligent battery management to prolong battery lifecycle**
- **Redundant fan design and independent ventilation enhance durable operation under harsh environment**
- **Adjustable battery numbers**
- **Accept dual-mains input**
- **Parallel operation with up to 4 units (option)**
- **Varieties of communication options available**
- **Optional 7" touch LCD**
- **Reverse phase frequency operation and supports non-neutral input**
- **Output Isolation Transformer**

## Specifications

MODEL	PRO63110-GL	PRO63115-GL	PRO63120-GL	PRO63130-GL	PRO63140-GL
CAPACITY	10 KVA / 8 KW	15 KVA / 12 KW	20 KVA / 16 KW	30 KVA / 24 KW	40 KVA / 32 KW
<b>INPUT</b>					
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph or 3Ph+N)				
Acceptable Voltage Range	285VAC ~ 475VAC				
Frequency	50/60Hz ±10%				
<b>INVERTER</b>					
Nominal Voltage	220VAC/230VAC/240VAC (Selectable)				
Waveform	Pure Sinewave				
Output Voltage	Steady state	±1%			
Stability	Transient state	±5%			
Frequency	50 Hz / 60 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) < 5% (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				
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				
<b>BYPASS</b>					
Connection Type	Hardwire 3-wire (1Ph+N+G)				
Input Voltage Range	220VAC ± 25%				
Overload Capability/ Short-circuit Capability	1.5 In~1.8 In 1h~30s 1.8 In ~ >2.0 In 30s~200ms				
<b>SYSTEM</b>					
Efficiency (@ linear load)	≥ 90%				
ECO Mode (Non-parallel models)	Yes				
EPO Function	Yes				
<b>BATTERY &amp; CHARGER</b>					
Rectifier	Type	6 pulse			
	Rated output voltage	384 VDC			
	Charger voltage	190VDC ~ 435VDC (Adjustable)			
	Charging current(max)	Default 10A, Maximum=Capacity/Battery Voltage		Default 10A, Maximum 40A, 5A@Full load	
Battery	Type	Support VRLA Battery			
	Numbers	32 pcs (29 ~ 32 adjustable)			
	Cold Start	Yes			
<b>PHYSICAL</b>					
IP Protection	IP20				
Dimensions, D x W x H (mm)	656 x 405 x 817				821 x 432 x 1159
Net Weight (Kgs)	118	120	145	193	278
<b>ENVIRONMENT</b>					
Operating Temperature	0~ 35°C continuous running, 40°C 8-hour running at nomina linput voltage, recharging batteries and no overload, 45°C derating to 85% with linear load				
Operating 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				
<b>COMPLIANCE STANDARDS</b>					
Safety	IEC/EN 62040-1				
EMC	IEC/EN 62040-2				
Performance	IEC/EN 62040-3				

Product specifications are subject to change without further notice

## Specifications

MODEL	PRO 63310-L	PRO 63315-L	PRO 63320-L	PRO 63330-L	PRO 63340-L	PRO 63360-L	PRO 63380-L	PRO 633100-L	PRO 633120-L	PRO 633160-L	PRO 633200-L
<b>CAPACITY</b>	10 KVA / 8 KW	15KVA / 12KW	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 / 96KW	160 KVA / 128KW	200 KVA / 160KW
<b>INPUT</b>											
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph or 3Ph+N)										
Acceptable Voltage Range	285VAC ~ 475VAC										
Frequency	50/60 Hz ± 10 %										
<b>INVERTER</b>											
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+N) (Selectable)										
Waveform	Pure Sinewave										
Output Voltage Stability	Steady state	±1%									
	Transient state	±5%									
Frequency	50 Hz / 60 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) ; <5% (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										
Transfer Time	Zero										
Phase Displacement	120° ±1% (balanced load) ; 120° ±2% (imbalances 50% of the load)										
Dynamic Recovery Time	3 cycles at 90 % of the static value										
Admissible Overload	0~110% continuously. 110~150% for 10min~1 min, >160% for 200 ms										
Admissible Power Factor	0.6~1 (inductive or capacitive)										
Imbalance Output Voltage @ 100% Unbalanced Load	<1%										
<b>STATIC BYPASS</b>											
Type	Solid state										
Voltage	3 x 380VAC/400VAC/415VAC (3Ph+N)										
Frequency	50/60 Hz										
Activation Criterion	Microprocessor control										
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	3 x 380VAC/400VAC/415VAC (3Ph+N)										
Frequency	50/60 Hz										
Overall Efficiency	Line Mode	89%	90%	91%	92%	92%	92%	92%	92%	92%	92%
	Battery Mode	90%	91%	92%	92%	92%	92%	92%	92%	92%	93%
<b>BATTERY &amp; CHARGER</b>											
Rectifier	Type	6 pulse									
	Rated output voltage	384 VDC									
	Charger voltage	190VDC ~ 435VDC (Adjustable)									
	Charging current(max)	Default 10A, Maximum=Capacity/Battery Voltage					Default: 10A, Max. 40A				
Battery	Type	Support VRLA Battery									
	Numbers	32 pcs (29~32 pcs adjustable)									
	Cold Start	Yes									
<b>PHYSICAL</b>											
IP Protection	IP 20										
Dimensions, D x W x H (mm)	656 x 405 x 817			656 x 405 x 941		821 x 432 x 1159		975 x 554 x 1286		975 x 635 x 1326	1051x705x1646
Net Weight (Kgs)	118	120	145	193	278	365	471	573	650	760	840
<b>ENVIRONMENT</b>											
Operating Temperature	0~ 35°C continuous running, 40°C 8-hour running at nomina input voltage, recharging batteries and no overload, 45°C derating to 85% with linear load										
Operating Humidity	0~90% (non-condensing)										
Noise Level	Less than 70dB @ 1 Meter										
<b>COMPLIANCE STANDARDS</b>											
Safety	IEC/EN 62040-1										
EMC	IEC/EN 62040-2										
Performance	IEC/EN 62040-3										

\* The maximum current is never higher than 40A.  
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Ver1.0\_17.06.2021

Authorised Distributor/ Reseller:

Compatible with:



System Requirements:  
Windows XP/Vista/7/8/10, Mac, Linux