



Sorra Series-Rack/ Tower

PRO53100-QRS/PRO53300-QRS (10~100KVA)



E-Business (Server Farms, ISP/ASP/POP)



Data Centre



19" Rack Mount



Servers

Prolink Sorra Rack/Tower Series- P.F 1.0 UPS systems is designed based on true online double conversion to effectively insulate against network disturbances and enable higher load up time. DSP technology guarantees high reliability A Digital Signal Processor (DSP) technology digitizes the data and mathematically manipulates them to provide an improved solution with higher performance. Frequency converter mode 50Hz/60Hz is also available for sensitive equipment. Some distinct features of the Prolink Sorra series are as listed below.

Key Features

Standard 19" form factor with tower/rack convertible design

Designed for easy adjustment, the vertical/horizontal conversion design enhances the flexibility and scalability of the modular UPS. 19" form factor suits for the standard rack so it optimizes cost expense to meet the power demands.



Modular hot-swapping design

SORRA Series is applied with patented modular hot-swapping design to enhance the flexibility of power expansion and maintenance.



Parallel operation with common battery

Compared to general parallel system, multiple Sorra series UPS Modules can form a parallel power backup system by sharing common battery packs which might greatly reduce the expense and reach the same performance.



Adjustable battery number design

The number of connected batteries can be adjusted flexibly based on different power demands. External standalone type battery banks can be connected for longer backup requirements.

ECO mode operation for energy saving

ECO mode improves the efficiency up to 97% to cut energy usage & cost. In this mode, loads are supplied by the mains directly. While mains failure, the UPS will constantly supply the power to the connected device without any interruption.

Emergency Power Off (EPO) function

Emergency Power Off (EPO) function is also available for the UPS models and which is used to protect the personnel and the equipment in case of fire outbreak or other types of emergency.

Generator compatible

This UPS can accept generator as power source and still convert perfect power to the connected loads.

17U Cabinet System

Customized System			
Cabinet Height (for modules installation)	17U		
Number of power module	4	2	1
Number of battery module	0	2	3

* This customized system will be using embedded 1U centralized communication unit



Specifications

MODEL	PRO53310-QRS	PRO53110-QRS
PHASE	3 phase in / 3 phase out	3 phase in / 1 phase out
CAPACITY	10000 VA / 10000 W	10000 VA / 10000 W
INPUT		
Nominal Voltage	3 x 360VAC/380VAC/400VAC/415VAC (3Ph+N+PE)	3 x360VAC/380VAC/400VAC/415VAC (3Ph+N+PE)
Voltage Range	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load
Frequency Range	40 Hz ~ 70 Hz	
Power Factor	≥ 0.99 @ 100% load	
THDi	< 4% @ full linear load	
OUTPUT		
Output Voltage	360VAC/380VAC/400VAC/415VAC (3Ph+N)	208*/220/230/240VAC(L+N)
AC Voltage Regulation (Batt. Mode)	± 1%	
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz	
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio	3:1 (max.)	
Harmonic Distortion	≤ 2% THD (Linear Load) ; ≤ 3% THD (Non-linear Load)	≤ 2% THD (Linear Load) ; ≤ 3% THD (Non-linear Load)
Transfer Time	AC Mode to Batt. Mode	zero
	Inverter to Bypass	zero
Waveform (Batt. Mode)	Pure Sinewave	
EFFICIENCY		
AC Mode	94%	94%
ECO Mode	97%	97%
Battery Mode	At Full Load	91%
	Peak	92%
BATTERY CHARGER		
Battery Voltage	± 12V / 9 Ah	
Battery Numbers	16 ~ 20 pcs (adjustable) x 2	16 ~ 20 pcs (adjustable) x 2
Nominal Voltage	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)
Maximum Voltage	+/- 240V (12V x 40 pcs)	+/- 240V (12V x 40 pcs)
Minimum Voltage	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)
Charging Voltage	± 218V	± 218V
Typical Recharging Time	9 hours recover to 90% capacity	
Charging Current	± 4A	
INDICATORS		
LCD/LED Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
PHYSICAL		
Dimension, D x W x H(mm)	678 x 418W x 132H (3U)	
Net Weight (kgs)	22	22
ENVIRONMENT		
Operating Humidity	0-95 % RH @ 0- 40°C (non-condensing)	
Noise Level	Less than 55dB @ 1 Meter	Less than 55dB @ 1 Meter
MANAGEMENT		
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	
COMPLIANCE STANDARDS		
Safety	IEC/EN 62040-1	
EMC	IEC/EN 62040-2	
Performance	IEC/EN 62040-3	

*Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC.
Product specifications are subject to change without further notice

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Authorised Distributor/ Reseller:

Compatible with:



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