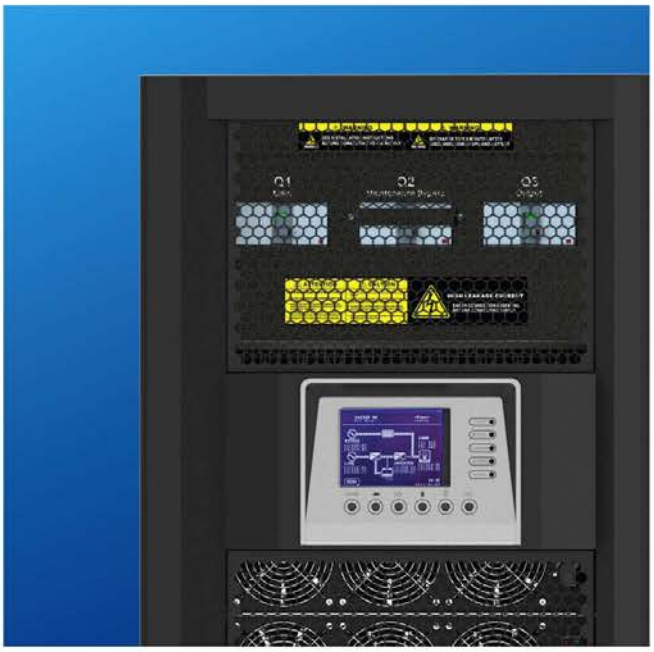
NEUROPOWER™

A Preferred Power Solutions Strategic Business Partner

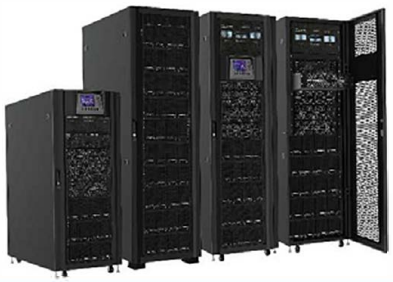
+Power Series

30KVA - 300KVA

Modular Parallel Redundant
Hot-swappable True Double
Conversion 3 Phase UPS



- High efficiency online double conversion technology
- High scalability and flexibility
- Unity output power factor
- Parallel for Capacity or redundancy from 30KVA up to 150KW (30U) / 300KW (42U)
- Modular design reduce Mean-time to Repair (MTTR)
- N+1 or N+X parallel redundancy for high availability
- Ease of installation and maintenance
- Flexible battery configuration meet various applications
- Adjustable charging current for extended backup
- High overload capability
- Graphic 5.7" LCD design for easy management



+Power Series

Modular Parallel Redundant Hot-swappable True Double Conversion 3 Phase UPS

Technical Specification

Series	+Power									
UPS Power Modules	1	2	3	4	5	6	7	8	9	10
Model	+Power 20K	+Power 40K	+Power 60K	+Power 80K	+Power 100K	+Power 120K	+Power 140K	+Power 160K	+Power 180K	+Power 200K
Total Capacity*	20KW	40KW	60KW	80KW	100KW	120KW	140KW	160KW	180KW	200KW
Model	+Power 30K	+Power 60K	+Power 90K	+Power 120K	+Power 150K	+Power 180K	+Power 210K	+Power 240K	+Power 270K	+Power 300K
Total Capacity*	30KW	60KW	90KW	120KW	150KW	180KW	210KW	240KW	270KW	300KW
Topology	Online Double Conversion									
INPUT										
Nominal Voltage	3 x 380 / 400 / 415 VAC (3Ph + N)									
Voltage Range	305 ~ 477 VAC @ Full load, 208 ~ 304 VAC @ <70% load									
Nominal Frequency	50/60 Hz (Auto sensing)									
Frequency Range	40 Hz ~ 70 Hz									
Power Factor	> 0.99 @ 100% Load, > 0.98 @ 50% load									
Harmonic Distortion (THDi)	< 3% @ 100% load									
OUTPUT										
Nominal Voltage	3 x 380 / 400 / 415 VAC (3Ph+N)									
Voltage Regulation (Steady State)	≤ ± 1% Typical (balanced load); ≤ ± 2% Typical (unbalanced load)									
Voltage Regulation (Transient)	≤ ± 5% Typical									
Nominal Frequency	50/60 Hz									
Frequency Range (Synchronized)	46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz									
Overload Capability	1 hour for 110%, 10 mins for 120%, 1 min for 150%, 200ms for > 150%									
Harmonic Distortion	≤ 1% THD (Linear load), ≤ 4% THD (Non-linear load)									
Efficiency	> 96@ over 50% load, > 95% @ over 25% load									
BATTERY / CHARGER										
Nominal Voltage	+/- 216V (12V x 36pcs)									
Maximum Voltage	+/- 240V (12V x 40pcs)									
Minimum Voltage	+/- 192V (12V x 32pcs)									
Float Charging Voltage	2.25V / Cell									
Boost Charging Voltage	2.35V / Cell									
Temperature Compensation	Yes									
Maximum Charging Current	6A for 20KVA / 8A for 30KVA module (User-adjustable)									
PHYSICAL										
Chassis Dimension W X D x H (mm)	600 x 1100 x 1485 (30U)					-				
	600 x 1100 x 2010 (42U)									
COMMUNICATIONS										
Interface Port	USB, Smart RS-232, EPO & Intelligent slot									
Intelligent Slot	AS400 / SNMP - optional									
Emergency Power Off (EPO)	Yes									
POWER MANAGEMENT										
Software	Yes; Support Window® family, Unix, Linux, Ubuntu, Solaris & MAC Operating System									
ENVIRONMENT & STANDARD										
Operation Temperature	0 ~ 40°C									
Relative Humidity	0 ~ 95% non-condensing									
Altitude	< 1000m for nominal power									
IP Class	IP 20									
Safety	IEC/EN 60950-1; IEC/EN 62040-1									
EMC	IEC/EN 62040-2 Category C3									

Model	Description	Dimension W x D x H (mm)	Weight (kg)
PM - 20HV	3P/3P 20KVA / 20KW power module	440 x 650 x 132(3U)	34
PM - 30HV	3P/3P 30KVA / 30KW power module	440 x 650 x 132(3U)	34.5
Battery Module	10 pcs of 12V 9AH Batteries	107 x 735 x 155	26

- When temperature is above 30°C, the output power for 20KVA will be derated, 17KW @ 31 ~ 35°C and 14KW @ 36 ~ 40°C; 30KVA will be derated, 27KW @ 31 ~ 35°C and 24KW @ 36 ~ 40°C.
- Every battery module consist 10pcs 12V 7Ah or 12V 9Ah Sealed Lead Acid batteries. For complete DC link require 4 battery module.
- In the interests of continuous product improvement, all specifications are subject to change without notice.

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