

IDEAL - 9900 Series

SMART ON-LINE UPS

20KVA~320KVA

Quality
Innovation
Customer Satisfaction

Features:

- Galvanic Isolation Output Provides the Cleanest and Safest Power
- Multi CPU Design Provides Added Protection Reducing Failure Rate
- Modular Design, Easy Maintenance and Minimize MTTR
- LED and LCD Display Indicate UPS Status and Condition
- Remote Control Interface Panel (Optional) Can Simultaneously Control Up to 99 UPS
- Unique Battery Management System Assures the Battery's Quality and Life Expectancy
- Able to Sustain 100% Load Unbalance
- Lightning and Surge Protection
- All Time EM/RFI Filter Protection
- Wide Input Range

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Specifications

9900 SERIES

PHASE		3 Phase Input / 3 Phase Output										
KVA		20	30	40	50	60	80	100	120	160	240	320
INPUT (RECTIFIER)												
Input Voltage		190V / 208V / 380V / 400V / 415V / 440V / 480V / 600V, 3P4W or 3P3W										
Input Range		+/- 20% (> +/- 20% is available upon request)										
Input Frequency		50 / 60 Hz +/-5Hz										
Power Walk In		0% - 100% : 20 sec										
Efficiency		>98%										
Voltage Regulation		+/- 1%										
BATTERY												
Battery Type / purchase		Maintenance free lead acid batteries / 12V x 29pcs										
Maximum Charge Current Adc (Selectable)		10	15	20	25	30	40	50	60	80	120	160
Battery Start		Yes, UPS can be started without AC source										
INVERTER												
Output Voltage, Regulation		190V / 208V / 380V / 400V / 415V / 440V / 480V / 600V, 3P4W or 3P3W +/- 1%										
Wave Form		Sine Wave										
Output Power Factor		0.8										
Frequency Lock Range		50 / 60 Hz +/- 3Hz										
Output Frequency (Free Running)		50 / 60 Hz +/-0.1Hz										
Phase Shift Under 100% Unbalance Load		<+/- 0.5°										
THD (Linear Load)		<2%										
Overload	< 110%	Continuous										
	110 - 125%	15 minutes										
	125 - 150%	10 minutes										
	> 150%	30 seconds										
Efficiency (100% Load)		93%		93.5%		94%	94.5%			95%		
STATIC SWITCH												
Voltage Range		173-277 VAC (L-N)										
Mains ↔ Inverter		0 ms										
OVERALL CHARACTERISTICS												
Overall Efficiency		91%		91.5%		92%		92.5%		93%		
Maximum Heat Dissipation (Kw)		1.3	1.9	2.6	3	3.5	4.6	5.4	6.5	8.7	13	17.4
Width x Height x Depth (mm)		550 x 1600 x 800					1100 x 1600 x 800				2200 x 1600 x 800 3300 x 1600 x 800 (400K)	
Weight (Kg, without battery)		300	400	480	550	680	820	950	1180	1450	2900	3100
Audible Noise		< 65 dBA (AT 1 M)					< 67 dBA (AT 1 M)				< 70 dBA (AT 1 M)	
Temperature / Humidity		0-40 degree C ; 32-104 degree F ;0% - 90% (Non-Condensing)										
Altitude		<1500 M Above Sea Level										
FCC CLASS A, EN50091-1,-2		YES										
Short Circuit Pretecton		Rectifier, Reserve, and Bypass										
Lightning / EMC Filter		MOV / Input & Output										
Galvanic Isolation		Input & Output true Galvanic isolation										
Indicator & Alarm		LCD, LED, Mimic Display, Buzzer										
Remote Control / Communication Interface		Monitoring 1~99 UPS simultaneously / Dry contact, Rs232, Rs485										

Specifications subject to change without notice.

