



UNINTERRUPTIBLE POWER SUPPLIES

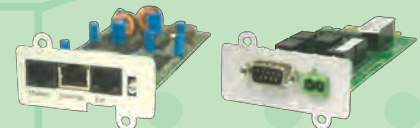
ENPLUS

6KVA / 8KVA / 10KVA / 12KVA / 15KVA / 20KVA
TOWER AND RACKMOUNT OPTION

EXCELLENCE AS A STANDARD

NATURALGREEN

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- True On-Line Double Conversion technology provides full protection from all power problems with pure sine wave output
- Protects mission critical applications from downtime, data loss, data corruption, and process interruption by providing continuous well regulated clean power
- Fully digitalized microprocessor controlled
- LCD display, LEDs display for easy viewing of real time operational status and control parameters, power usage, battery run time and etc
- Audible sound for fault alert condition
- Plug & Play installation
- User swappable batteries replacement
- Extended run time capability with external battery modules
- Custom design for long hour back-up
- Advanced Battery Management systems
- Automatic battery diagnostics and health check
- Cold start function (DC power on)
- Emergency Power Off function
- Load segmentation for priority load assignment
- UPS Management Software included for monitoring and auto shutdown
- SNMP/Relay card connectivity available as option
- Standard RS232 serial communication with USB port as option
- Conform to IEC61000-4, FCC Part 15 and CISPR 22 design standard

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TECHNICAL DATA

POWER RATING						
Nominal Output Power (VA)	6000	8000	10000	12000	15000	20000
Nominal Output Power (W)	4200	5600	7000	8400	10500	14000
Systems Topology	On-line, double conversion topology with automatic bypass					
INPUT						
Phase	Single phase three wires or three phases five wires (8-20KVA)					
Bypass Voltage	184-265 VAC (user selectable)					
Input Voltage Range	120/140/160/180 VAC-276 VAC (Single phase) 208/242/277/312 VAC-478 VAC (Three phase)					
Frequency	50/60 Hz. Auto selection					
Frequency Window from mains	45-65 Hz					
Synchronization Window	+/- 3 Hz					
Input Current (Single phase input)	23A	30.7A	38.3A	46A	57.5A	76.6A
Input Current (Three phase input)	N.A	10.2A	12.8A	15.3A	19.2A	25.5A
Input Power Factor	> 0.98 (1ph,3W), > 0.95 (3ph, 5W)					
OUTPUT						
Output Voltage	208/220/230/240 VAC, selectable form LCD panel					
Voltage Regulator	+/- 2%					
Voltage Distortion	<3% for linear load, <5% for non-linear load					
Frequency Regulation	+/-0.25 Hz (battery or free funning mode)					
Dynamic Response	+/-9% max for 20% to 100% or 100% to 20% load step					
Overload Capacity	110-125% 1 min, 126-150% 10sec					
Efficiency	> 88%					
BATTERY AND CONNECTION						
Connection Input	Hardwired					
Connection Output	Hardwired					
Battery Type	7.2Ah/12V	7.2Ah/12V	34W/12V	7.2Ah/12V	7.2Ah/12V	9Ah/12V
Number of Batteries	20			20X2		
Backup Time/Full load (min)	7	4	5	7	4	4
Recharge Time (to 90%)	< 4 hours to 90%					
Dimension (WxDxH) mm w/o Isolation tx	257x590x 570	257 x 690 x 715		342x690x878	342 x 863 x 905	
Dimension (WxDxH) mm w/ Isolation tx	257x590x700	342 x 690 x 715		342x690x878	342 x 863 x 905	
Dimension (WxDxH) mm RM 6U	428x597x260	428 x 658 x 260		Not Available		
Weight (KG) w/o Isolation tx	86	112		130	175	
Weight (KG) w/ Isolation tx	123	178	180	180	225	
Weight (KG) - RM 3U Power Module	20	24		Not Available		
Weight (KG) - RM 3U Battery Module	66	66	68	Not Available		
ENVIRONMENTAL						
Ambient Temperature	+0 C°to +40 C° , Recommended +15 C°to +25 C°					
Storage temperature	-15 C° to +50 C°					
Cooling	Force air cooling					
Humidity	<95%, non-condensing					
Audible Noise (dBA)	<55 dBA on normal and battery mode					
STANDARDS						
Safety	UL 1778, CE (20000VA)					
Emissions	IEC61000-4, FCC Part 15, CISPR22					

Specifications subject to change without notice

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