

POWER SHIELD

Navigator

10kVA to 80kVA



Power  Shield®

UPS YOUR PRODUCTIVITY BY REDUCING YOUR DOWN TIME

POWER SHIELD

Navigator

Power Shield Navigator UPS							
PHASE	3-Phase Input / 3-Phase Output						
kVA	10	20	30	40	60	80	
RECTIFIER							
Input Voltage	415V - 3 Phase - Other voltages selectable from panel						
Input Range	+ / - 25% (> +/- 25% is available upon request)						
Rated Frequency	50 / 60 Hz Auto Range						
Frequency Tolerance	50 / 60Hz +/-10%						
Soft Start	0% - 100% : 10 sec						
Voltage Regulation	< 1%						
Current Distortion	<30% (<5% with input THD filter)						
Maintenance Voltage	Variable acc. to temperature (-0.5V x C°)						
INVERTER							
Output Voltage	415V 3 Phase + N (Other voltages - selectable from panel)						
Wave Form	Sine Wave						
Load Crest Factor	3:1						
Static / Dynamic Voltage Stability	+/-1% or +/-5% in 5ms						
Voltage Phase Shift							
Balanced Load (Deg)	+/-1						
Voltage Phase Shift							
100% Unbalanced Load (Deg)	+/-2						
Frequency	50 / 60 Hz						
Frequency Stability - without mains	+ / - 0.05%						
Frequency Stability - with mains	+/-2% (Selectable from panel from +/- 1% to +/-5%)						
THD (Linear Load)	2%						
Overload	<110%	Continuous					
	125%	10 minutes					
	150%	1 minutes					
	200%	7 seconds					
Short Circuit Current	2,8In						
Efficiency (100% Load)	91%	92%	92%	93%	93%	93%	
BYPASS							
Voltage Range	+/-10%, +/-15%, +/-25% Selectable From Panel						
Feature	Static State + Maintenance Bypass						
Inverter to Bypass (Overload)	0 ms						
Inverter to Bypass (Inverter fault)	1ms						
Static state overload - 1 minute	250%	240%	250%	240%	200%	180%	
Feature	Back feed protection, Separate bypass line						
OVERALL CHARACTERISTICS							
Power Factor	0.8						
Battery Type / Pcs	Maintenance free lead-acid batteries / 12V x 32pcs						
MTBF	200,000 Hours						
Width x Depth x Height (mm)	555 x 720 x 1200			800 x 740 x 1400			
Weight	280	284	289	330	450	555	
Audible Noise	< 54 dBA (At 1 M)			< 62 dBA (At 1 M)			
Temperature	0 – 40°C (32 – 104°F)						
Humidity	0% - 95% (Non-Condensing)						
Altitude	1000 M (Derate by 1% for each 100m over 1000M) Max = 4000M						
Cabinet	IP21, Light grey (RAL 7035)						
Cabinet Access	Front, Upper, Right side, bottom cable entry						
Compliance	Safety EN50091-1-1, EMC EN 50091-2 Directives 73/23-93/68-89/336 EEC						
LED,LCD,Buzzer	YES						
Remote Signalling	Volt free contact - mains fail, bypass, end discharge alarm - Out 12Vdc, 80mA						
Remote Control	EPO and Bypass						
Communication Interface	RS232C						
Software	Power Shield - Windows, Linux, Novell						

FEATURES

Parallel up to 8 UPS Systems
 True online double conversion
 Output isolation transformer provides the best protection for the load
 Microprocessor ensures stable sine wave voltage and output frequency
 High efficiency reduces running costs
 Static bypass protects against overload and fault
 Wide input voltage range reduces battery consumption and extends battery life
 RS232 and dry contact remote monitoring function
 LCD display and LED mimic display
 Double microprocessor provides - UPS running, battery management, auto start up, system shutdown and time inspecting load function.

- Altered specifications are available on request.
- All specifications mentioned above are subject to change without prior notice.