

TECHNICAL DATASHEET FOR ALL FORCE 3 IN 3 OUT SERIES

- Advanced dual-core DSP control technology, rectification and inversion are controlled by dual DSP
- Output power factor 0,8 load capacity improved
- Active Power Factor Correction Technology, input power factor up to 0.99
- System efficiency improved to 96%, energy saving rate is doubled
- Working efficiency up to 99% in ECO mode
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range, 50 / 60 Hz auto-sensing frequency
- 50 Hz / 60 Hz frequency conversion mode
- Compact internal layout, small footprint



SPOWER ENERGY UPS REGULATOR INVERTOR

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TECHNICAL DATA SHEET FOR SPOWER FORCE SERIES 10-15-20-30-40-45-60-80 KVA

MODEL	FORCE DSP 3310	Force DSP 3315	Force DSP 3320	Force DSP 3330	Force DSP 3340	Force DSP 3345	Force DSP 3360	Force DSP 3380
OUTPUT POWER (KVA.)	10	15	20	30	40	45	60	80
NOM. ACTIVE POWER (KW.)	8	12	16	24	32	36	48	64
INPUT								
Nominal Voltage (Ph-Ph)	3 FAZ - 380 Vac. / 400 Vac. / 415 Vac.							
Voltage Range (%100 load)	%100 LOAD 176 / 280 Vac. ± % 5 %50 LOAD 125 / 280 Vac. ± % 5 %0-25 LOAD 80/ 280 Vac. ± % 5							
Nominal Frequency (Hz.)	50 / 60 Hz.							
Frequency Range	44 - 66 Hz.							
Input Current THD	< %4						< %5	
Input Power Factor	0,99							
OUTPUT								
Power Factor	0,8							
Voltage (Ph-Ph)	3 FAZ - 380 Vac. / 400 Vac. / 415 Vac.							
Static Voltage Regulation	± % 1							
THD-V	< %3							
Crest Factor	3:1							
Frequency (Hz.)	50 / 60 Hz.							
Free running Frequency (Hz.)	0,01 Hz.							
Overload Capacity	%125 for 10 minutes - %150 for 30 sec							
Efficiency	> %94							
BATTERY								
Battery Quantity	2x31							
Battery Protection	Depp discharge Protection with Auto cut off							
Battery Test	Standard (Auto & Manuel)							
DISPLAY								
LED Display	Line, Bypass, Battery, Inverter, Load, Fault Indications							
LCD Display	Load Input & output Frequency, Voltage & current, Bypass Voltage, Battery Voltage & current, Tem							
STATİK BYPASS								
Voltage Range For Bypass	175 / 253 Vac.							
Frequency Range For Bypass	47-53 Hz. Or 57-63 Hz.							
ENVIRONMENT / COMMUNICATION								
Temperature / Humidity	0 °C- 40 °C (20-25 °C Recommended for Longer Battery life time) - Nem; 0 - %95 (non-condensir							
Max. Altitude	1.000 M.							
Protection Level	IP 20							
Communications	Standarts RS 232 / Opsiyonel SNMP and ve dry contact signals							
STANDARTS	ISO 9001, ISO 14001, OHSAS 18001, CE							
PHYSICAL SPECIFICATIONS								
Dimensions - WxDxH (cm.)	46*84*93			46*94*120		56*82*128		
Weight (Kg)	82	85	85	90	100	110	165	170



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TECHNICAL DATASHEET FOR FORCE DSP 100-120-160-200-250 KVA UPS

MODEL	Force DSP 33100	Force DSP 33120	Force DSP 33160	Force DSP 33200	Force DSP 33250
OUTPUT POWER (KVA.)	100	120	160	200	250
NOM. ACTIVE POWER (KW.)	80	96	128	160	200
INPUT					
Nominal Voltage (Ph-Ph)	3 FAZ - 380 Vac. / 400 Vac. / 415 Vac.				
Voltage Range (%100 load)	%100 LOAD 176 / 280 Vac. ± % 5 %50 LOAD 125 / 280 Vac. ± % 5 %0-25 LOAD 80/ 280 Vac. ± % 5				
Nominal Frequency (Hz.)	50 / 60 Hz.				
Frequency Range	44 - 66 Hz.				
Input Current THD	< %4				
Input Power Factor	0,99				
OUTPUT					
Power Factor	0,8				
Voltage (Ph-Ph)	3 FAZ - 380 Vac. / 400 Vac. / 415 Vac.				
Static Voltage Regulation	± % 1				
THD-V	< %3				
Crest Factor	3:1				
Frequency (Hz.)	50 / 60 Hz.				
Free running Frequency (Hz.)	0,01 Hz.				
Overload Capacity	%125 for 10 minutes - %150 for 30 sec				
Efficiency	> %94				
BATTERY					
Battery Quantity	2x30				
Battery Protection	Depp discharge Protection with Auto cut off				
Battery Test	Standard (Auto & Manuel)				
DISPLAY					
LED Display	Line, Bypas, Battery, Inverter, Load, Fault Indications				
LCD Display	Load Input & output Frequency, Voltage & current, Bypass Voltage, Batte				
STATİK BYPASS					
Voltage Range For Bypass	175 / 253 Vac.				
Frequency Range For Bypass	47-53 Hz. Or 57-63 Hz.				
ENVIRONMENT / COMMUNICATION					
Temperature / Humminty	0 °C- 40 °C (20-25 °C Recommended for Longer Battry life time) - Nem				
Max. Altştude	1.000 M.				
Protection Level	IP 20				
Commiications	Standarts RS 232 / Opsiyonel SNMP and ve dry contact signals				
STANDARTS	ISO 9001, ISO 14001, OHSAS 18001, CE				
PHYSICAL SPECIFICATIONS					
Dimensions - WxDxH (cm.)	56*102*130		110*82*160		
Weight (Kg)	220	235	480	530	700



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