



JDS 300 POWER SERIE



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Technical Specifications



- Low input current total harmonic distortion (THD)
- Static and maintenance bypass switch
- Output and by-pass short circuit and overload protection
- 192 events memory (192 events 4500 alarms)
- Clock and calendar (battery supported)
- Automatic battery test, remaining battery time indicator
- Temperature compensated charge system
- Regenerative backfeed function
- 2 RS232 serial port and 12 dry contact outputs
- 3 DSP controlled modular structure
- Optional Graphical and touch panel

Front Panel

- Front Panel Control: Separate DSP controller for panel and communication functions
- Human Interface: Alphanumeric LCD panel, mimic lamps and control buttons standards
- Alarm Log Memory: 512 events
- Communication: 2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays
- Phase to Phase Measurements: Rectifier input, By-Pass input, Inverter output and UPS output voltages
- Phase to Neutral Measurements: Rectifier input, By-Pass input, Inverter output and UPS output voltages
- Power Measurements: Output watts, output VA, Load crest factor, output power factor, load percentage
- Current Measurements: Rectifier input currents, battery charge and discharge currents, output load currents
- Frequency Measurements: Rectifier input frequency, by-pass input frequency, output frequency
- Temperature Measurements: Cabinet inside, battery ambient temperature and optional sensors
- Maintenance Indicators: Separate operating, general, battery, fan maintenance and optional hourmeters and warnings
- Overtemperature Protection: 2 electronic temperature sensors and thermal contacts
- Failure Memory: Standard (records all measured parameters during failures)
- Factory Settings Memory: Standard (settings backup memory)
- Module Communication: CAN interface
- Free Software: T-Mon UPS Software (3 clients)

Model	JDS 3200	JDS 3250	JDS 3300	JDS 3400	JDS 3500
Power (kVA)	200	250	300	400	500
Input					
Power Factor			>0.98		
Voltage	380-400 VAC 3F, 4N+Earth, +/-%20(240/415 VAC + %15-%25 optional)				
Input THD	<5%				
Input Frequency	50Hz/60Hz +/-5% selectable				
Input Frequency Protection	2 levels protection(minimum and maximum)				
Regenerative Backfeed	Standard				
Input Power Limiting	Standard				
EMI	EN62040-2				
Protection	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequency indicator				
Power Walk in	Standard Adjustable				
Startup Delay	Standard Adjustable				
Contreol System	Seperate DSP controller for PFC rectifier module				
Rectifier Input Fuses	Standard				
Rectifier Input Switch	Standard				
Rectifier Input CB	Standard				
Output					
Power (kW)	180	255	270	360	400
Power Factor			0,9		0,8
Voltage	380-400 VAC 3F, 4N+Earth, +/-%1(240/415 optional)				
Frequency	50Hz/60Hz selectable				
Frequency Tolerant			+/-2% (Synchron)	+/-0,2%(Free Running)	
Frequency Stabilitiy (free running)	0,005%				
Efficiency	Up to 94%				
Crest Factor	3:1				
Overload Protection	100% - 125% load :10 min *		125% - 150% load :1 min. *		>150%load:by-pass
Output Current Limiting	Standard				
Short Circuit Protection	Direct IGBT saturation protection and advanced short circuit protection				
Output Voltage Protection	2 levels electronic protection				
THD (%100 linear load)	<3%				
Control System	Separate DSP controller for inverter module				
Battery					
Type	Maintenance free, sealed lead acid				
Batteries	2x30=60 batteries				
Charge Voltage	2x405 Vdc				
Discharge end Voltage	2x300 Vdc				
Battery Cabinet	External				
Ambient Temperature	25°C				
Battery Protection	Fuses, Charging current limiting				
Battery Voltage Protection	Electronic 3 level alarms				
Battery Test System	Automatic every 72 hours				
Temperature Compansation	Standard				
Battery Remaining Time Indicator	Standard				
Battery Fuses	Standard				
Deep Discharge Protection	Standard				
Front Panel					
Operating Temperature	0°C-40°C				
Protection	IP20				
Humidity (non condensed)	90% max				
Operating Height	<1000 m below sea level				
Noise Level	<68 dBA		<72 dBA		
Calibration over RS232	Available (Device calibrator software)				
Log download over RS232	Available (DLOG software)				
Weight (kg) (without batteries)	482	550	638	737	780
Dimensions (HxWxD)	1900x880x775		1900x1250x775		2020x1250x840



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