

AC/DC[®] UPS

www.acdc.com.tr



UPSon D Series Uninterruptible Power Supplies True Online 3 Phase Input - 3 Phase Output



160 - 600 kVA

- * Digital Signal Processing (DSP) Technology
- * IGBT Rectifier

NEW TECHNOLOGY

- IGBT rectifier
- High input PF (≥ 0.99)
- High efficiency (up to 92%)
- Short response time ($< 2\text{ms}$)
- Low input current THD ($< 4\%$)
- Low output voltage THD ($< 2\%$)
- High input and output performance

RELIABLE

- Dual input (Optional)
- Short circuit protection
- Parallel option up to 6 units
- Optimum generator compatibility
- Programmable high overload capacity
- Local and remote emergency power off
- Intelligent redundancy management (n, n+1 and n+x)
- Variable input low voltage depending on loading percentage (up to - 36%)

USER - FRIENDLY

- Custom inputs
- Easy maintenance
- Programmable dry contacts
- Multi communication options
- Self-loading (regenerative mode)
- Reduced weight / volume / footprint
- Multi language options up to 10 languages
- 512 real time event log and easy download
- Higher efficiency with eco-mode (up to 98%)
- Remote monitoring and management software
- Adjustable input / output voltage & selectable frequency
- Extended battery life with intelligent battery management
- Automatic and manual battery test with adjustable period and duration
- Touch screen TFT LCD user interface and advanced panel features (400-600)

TÜV
AUSTRIA
HELLAS
EN ISO 9001:2008

•EN 62040-1 (Safety), EN 62040-2 (EMC)
•CE, ISO 9001: 2008, ISO 14001, GOST

Your Positive Energy source ...

MODEL	UPS on D Series																							
	160 kVA		200 kVA		250 kVA		300 kVA		400 kVA		500 kVA		600 kVA											
INPUT																								
Voltage	380 / 400 / 415 VAC ; 3 ph + N																							
Voltage tolerances	± %15 (without downgrading)																							
Frequency	50 / 60 Hz ± %10																							
Power factor	≥ 0,99																							
THD _v	< %4																							
BYPASS																								
Dual input	Optional																							
Voltage	380 / 400 / 415 VAC ; 3 ph + N																							
Voltage tolerance	± %10 (adjustable)																							
Frequency	50 / 60 Hz.																							
Frequency tolerance	± %4 (adjustable up to ± 10 %)																							
OUTPUT																								
Voltage	380 / 400 / 415 VAC ; 3 ph + N																							
Voltage tolerances	± %1 (static load) , dynamic load in accordance with VFI-SS-11																							
Frequency	50 / 60 Hz (selectable)																							
Frequency tolerances	± %0,1 (self - synchronize) , ± %1 (mains - synchronize, adjustable up to , ± %5)																							
Power factor	0,8																							
THD _v	≤ %2 (linear load) ≤ 5 % (non - linear load)																							
Crest factor	3:1																							
OVERLOAD CAPACITY																								
≤ %110	up to 60 min.																							
≤ %130	up to 10 min.																							
≤ %150	up to 1 min.																							
EFFICIENCY																								
Online	up to 92 %																							
Eko-mode	up to 98 %																							
GENERAL																								
Technology	True online - double conversion, IGBT rectifier																							
Control	DSP, SPWM																							
Battery quantity of a group (12V)	60 / 64																							
Paralleling units	up to 6																							
Communication	SNMP, RS232, RS485, MODBUS																							
Remote monitoring	Remote panel (Optional)																							
Dry contacts	Programmable 7 dry contacts																							
Custom inputs	Generatör, battery temperature sensor, remote EPO																							
ENVIRONMENT																								
Operating temperature	From 0°C up to + 40 °C (from 20 °C to 25 °C for maximum battery life)																							
Relative humidity	0% - 85 % (without condensation)																							
Maximum altitude	2000 m (without downgrading), max. 2000 m																							
Noise level	< 65 dB (A)						< 70 dB (A)																	
UPS CABINET																								
Dimensions (W x D x H) (mm)	705 x 1260 x 1600				780 x 1260 x 1850				2200 x 810 x 2030															
Weight (kg)	590		628		850		870		1380		1600		1800											
Degree of protection	IP20 (Optional IP23 or IP54)																							
Color	RAL7012																							
BATTERY CABINET																								
Cabinet no.	5		6		7		8		9		10		11		12		13		14		15		16	
Battery quantity (max)	64		64		64		64		64		32		60		32		64		32		60		32	
Battery capacity (Ah)	18		26		30-33-35		38-40-45		55		65		60-75-80		90-100		120							
STANDARDS																								
Certificates	EN 62040-1 (Safety) , EN 62040-2 (EMC)																							
UPS LIFETIME	5 YEARS																							

*** AC/DC reserves the right to make any changes to data without prior notice.

Update: 21 / 10 / 2012

