



DAXTEN POWER
beyond limits SpA



EXPERT SERIES 3/3

**TRUE ON-LINE DOUBLE CONVERSION
HI FREQUENCY LCD UPS**

10kVA - 80kVA

SALIENT FEATURES

*** N+X PARALLEL REDUNDANCY**

The maximum of the built-in parallel mode is 8 UPS without any other external accessories compatible to battery share in the parallel mode

*** HIGH-EFFICIENT DSP CHIP**

The digital Ti DSP controlling chip provide precise data processing capability with excellent performance in output and reliability

*** OUTSTANDING ELECTRIC PROPERTY**

The efficiency of the machine is as high as 93% and reaches over 98% in the ECO mode, the input power factor is as high as 0.99

*** TWIN -CHANNEL LINE INPUT**

The UPS provides customer security in power supply with intelligent choice between two-line input or one-line input according to the actual condition

*** INTELLIGENT MANAGEMENT TO
BATTERY CHARGING AND DISCHARGING**

APPLICATIONS



Data Center



Telecom



Industry



Network



Security



Labs



Medical



Metro



www.daxtenpower.com

TECHNICAL SPECIFICATIONS

Product Series	EXPERT SERIES 3/3							
Model	ES-10	ES-15	ES-20	ES-30	ES-40	ES-60	ES-80	
Capacity	kVA/kW	10kVA/8kW	15kVA/12kW	20kVA/16kW	30kVA/24kW	40kVA/32kW	60kVA/48kW	80kVA/64kW
		380 / 400 / 415						
		<3% (without any Filter)						
		≥ 0.99 (without any Filter)						
		5 to 30s (selectable)						
Bypass Input	Input Voltage	380 / 400 / 415VAC						
Battery	Nominal Voltage	336 / 360 / 384VDC						
	Number of Batteries	28 / 30 / 32pcs.						
	Battery Type	VRLA (Valve Regulated Lead Acid) or Wet / Flooded or NiCd						
	End-Cell Voltage	Selectable from 1.60 to 1.90Vdc/Cell (for VRLA)						
	DC Ripple Current (float)	<5% (of C10 AH capacity) RMS value						
	DC Ripple Voltage(float & const V Ch)	<1% (RMS value)						
		Standard (where internal batteries 10, 15, 20, 30, 40 kVA) and Optional (for all other battery configurations)						
Output								
	Output Voltage THD							
	Max. Load Crest Factor							
	Transient Volt. Resp.							
	Max. Leading PF Load							
	Voltage Displacement							
	Overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute						
Transfer Time		0 ms(AC to DC or DC to AC): <4ms(bypass to inverter or inverter to bypass)						
Efficiency								
EMC-Class								
Environmental								
	Operating Temp.							
	Relative Humidity							
	Maximum Altitude above Mean Sea Level							
Main unit	Dimension(WxDxH)mm	385x365x1030	460x785x1235	460x785x1235	673x8			
	Weight(kg)	145						
	UPS Enclosure IP							

STANDARDS

	EN 50091-1-1	ANSI C62.41 (IEEE 587)
	EN 50091-2	
IEC 620	EN 50091-3	
IEC 60146-1-1	EN 60950	
IEC 61000-4-2, 4, 5, 6, 8,11	EN 60529	

Product specification are subject to change without further notice