

SMALLER FOOTPRINT WITH ROBUST BACKUP SOLUTIONS



Features

Advantages

Benefits

<ul style="list-style-type: none"> Wide input voltage range (110 ~ 288 Vac) Linear load derating for input voltages under 176 V to reduce battery usage Settable delayed start & Rectifier soft star function Static bypass mode for Auto switch over during UPS fault 	<ul style="list-style-type: none"> Maximizes Mains Mode function, reduces Battery usage, extends Battery life Prevents Generator Overload due to starting inrush current Seamless transfer, uninterrupted uptime 	<p>High Uptime / Availability</p>
<ul style="list-style-type: none"> Frequency range (40 ~ 70 Hz) Multiple Functions settable Battery compatibility Flexible battery configuration Strong mixed load capacity & high over load capacity 	<ul style="list-style-type: none"> 50 / 60 Hz Compatible & 60 / 50 Hz frequency conversion Eco Mode, Frequency conversion mode, Output Voltage User selectable 208 / 220 / 230 / 240 V VRLA / Li-ion Battery compatible Settable 16 - 20 batteries. Ensures seamless operation across diverse applications 	<p>High Flexibility</p>
<ul style="list-style-type: none"> Online Double conversion with Advanced dual-core DSP control with 3-level topology Remote monitoring through SNMP Standard Emergency Power off (EPO) Advanced Battery Management Advanced Digital Parallel architecture Fan speed varies intelligently with temperature Complete Protection for connected equipment 	<ul style="list-style-type: none"> Faster and more precise control ($\pm 1\%$ regulation), ensuring stable output power under varying load conditions with better efficiency Allows to monitor and respond to issues quickly Safety during faults Improves Battery health offering predictable Power Back up. Enhances battery life time and also alert for Battery end of life Upto 4 units parallel capacity for redundancy & load expansion Enhanced service life Protection against Short-circuit, Overload, Over Temperature, Over Voltage, Under Voltage, Fan Failure, Battery Low Voltage 	<p>High Reliability</p>
<ul style="list-style-type: none"> Transformerless Design Optimal performance with Output Unity Power Factor Automatic Power Factor Correction @ Input for PF up to 0.99 Less Thermal Load Compact internal layout 	<ul style="list-style-type: none"> Low Operating Cost - High Efficiency - Upto 95% on Online mode; 98% on Eco mode Maximum utilization of UPS capacity Economical sizing of the upstream network components Better efficiency results in lower heat, saving on Air Conditioning Reduces the floor space. 	<p>Low Total Cost of Ownership (TCO)</p>

KYKAD® EH 11 SERIES 1/1 UPS (6 kVA & 10 kVA)

SPECIFICATION		
MODEL	EH 11 - 06	EH 11 - 10
Rated Capacity	6 kVA / 6 kW	10 kVA / 10 kW
INPUT		
Input Wiring	Single-phase three-wire (1Φ + N + PE)	
Rated Voltage	208 / 220 / 230 / 240 Vac	
Voltage Range	110 ~ 176 Vac (linear derating between 50% & 100% load), 176 ~ 288 Vac (no derating)	
Rated Frequency	50 / 60 Hz (auto-sensing)	
Frequency Range	40 ~ 70 Hz	
Power Factor	≥ 0.99	
Bypass Voltage Range	-40% ~ +15% (settable)	
Total Harmonic Distortion (THDi)	≤ 5%	
OUTPUT		
Output Wiring	Single-phase three-wire (1Φ + N + PE)	
Rated Voltage	208 (PF=0.9) / 220 / 230 / 240 Vac	
Voltage Regulation	±1%	
Frequency	Synchronized to bypass in mains mode, 50 / 60 Hz ± 0.1% Hz in Battery mode	
Waveform	Sinusoidal	
Power Factor	1	
Total Harmonic Distortion (THDv)	≤ 1% (linear load); ≤ 4% (non-linear load)	
Crest Factor	3:1	
Overload	105% ~ 110% for 10 min, 111% ~ 125% for 1 min, 126% ~ 150% for 30 s	
BATTERIES		
DC Voltage	192 Vdc (192 ~ 240 Vdc settable)	
No. of Batteries	16 pcs (16 ~ 20 selectable)	
Charging Current (max.)	5 A (default), 1 ~ 5 A settable, 12 A (optional)	
Recharge Time	8 hrs depends on capacity of battery	
SYSTEM		
Efficiency	Upto 95% on mains mode, ≥ 98% in ECO mode	
Protections	Short-circuit, Over load, Over temperature, Battery low voltage, Over voltage, Under voltage & Fan Failure	
Max. no. of Parallel Connections	4	
Communications	RS 232 (standard), USB / RS 485 / dry contacts / SNMP / battery temperature compensation (optional)	
Display	LCD + LED	
OTHERS		
Operating Temperature	0°C ~ 40°C	
Storage Temperature	-25°C ~ 55°C (without battery)	
Relative Humidity	0% ~ 95% (non-condensing)	
Altitude	≤ 1000 m; derating 1% for each additional 100 m	
IP rating	IP 20	
Noise level at 1 m	≤ 55 dB	≤ 58 dB
Dimensions (W × D × H) (mm)	191 x 465 x 350	191 x 495 x 350
Net Weight (kg)	14.5	16.5