

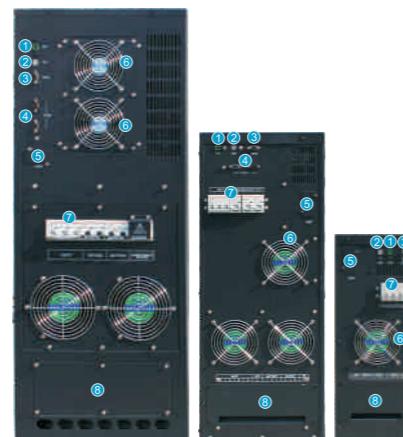
# EA800

6KVA ~ 10KVA (1:1)  
10KVA ~ 30KVA (3:1)



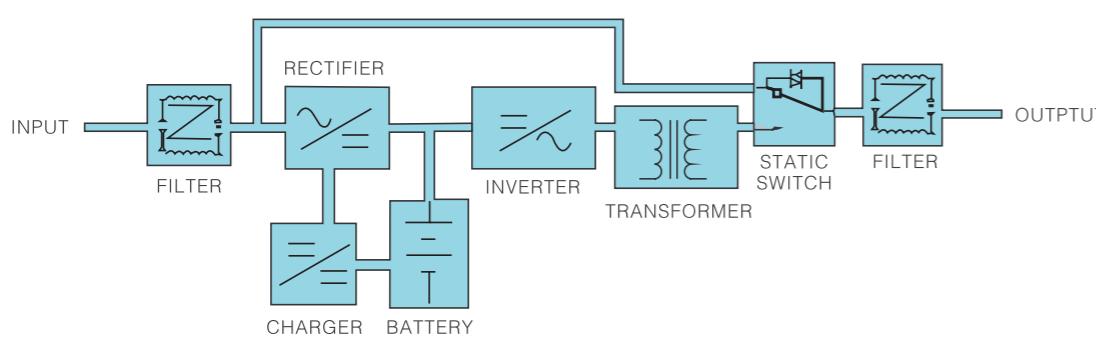
## Features

- Single / single-phase, three / single-phase models with on-line double conversion technology
- DSP (Digital Signal Processors) technology
- Suitable for all kinds of loads (resistive, inductive and non-linear loads etc)
- High overload capability (up to 150%)
- Bypass dual DSP control design to enhance more reliability
- Supports dual input, hot standby in series
- Redundant & parallelable with advanced parallel current-sharing control technology
- Cold start and mains start function
- High charging capability: 2 A / 4 A / 6 A / 8 A / 10 A / 12 A selectable (standard), 14 A / 16 A / 18 A / 20 A / 22 A / 24 A selectable (options)
- Standard configuration with output isolation transformer
- Superior protection (surges, short-circuit, overvoltages, undervoltages, overcharge, reverse connection protection etc)
- Advanced communications (RS232 and USB ports (standard), SNMP, dry contacts and RS485 (options)
- Other options (parallel kits, input isolation transformer, bypass isolation transformer and harmonic suppressor)



## Rear Panel

- EPO
- USB
- RS232
- Parallel port
- SNMP (optional)
- Fan
- Breaker
- Terminal



## Specifications

MODEL	EA806 (1:1)	EA810 (1:1)	EA810 (3:1)	EA815 (3:1)	EA820 (3:1)	EA830 (3:1)
Capacity	6 KVA 4800 W	10 KVA 8 KW	10 KVA 8 KW	15 KVA 12 KW	20 KVA 16 KW	30 KVA 24 KW
<b>INPUT</b>						
Nominal voltage	220 / 230 / 240 Vac single-phase		380 / 400 / 415 Vac three-phase +N			
Voltage range	165 ~ 275 Vac		285 ~ 475 Vac			
Rated frequency		50 Hz / 60 Hz				
Frequency range		40 ~ 70 Hz				
Frequency tracking range		± 5% Hz				
<b>BYPASS</b>						
Nominal voltage	220 / 230 / 240 Vac single-phase					
Overload capability		Load current < 150% rated current: long time running 150% ≤ load current < 200%: 1 min 200% rated current ≤ load current: 200 ms				
<b>BATTERIES</b>						
Battery voltage		192 Vdc				
Battery type		VRLA AGM maintenance-free lead based				
Number of battery		12 V × 16 pcs				
Charging voltage		220 Vdc				
EOD		168 Vdc				
Charging current		Default 8 A (2 A / 4 A / 6 A / 8 A / 10 A / 12 A selectable)				
<b>OUTPUT</b>						
Nominal voltage	220 / 230 / 240 Vac single-phase					
Power factor		0.8				
Waveform		Sinusoidal				
Rated frequency		50 Hz / 60 Hz (settable)				
Frequency precision		Mains mode: track bypass input in the state of synchronization Battery mode: 50 / 60 ± 0.1 Hz				
Voltage precision		± 1%				
Recovery time of transient voltage		< 20 ms				
Crest factor		3:1				
THDV		≤ 3% (linear load); ≤ 6% (non-linear load)				
Overload capability		Load ≤ 105%: long time running ; 105% < load ≤ 125%: transfer to bypass in 10 mins ; 125% < load ≤ 150%: transfer to bypass in 1 min 150% < load ≤ 200%: transfer to bypass in 200 ms 200% < load: transfer to bypass in 100 ms				
<b>OTHERS</b>						
Transfer time		0 ms				
Protections		Short-circuit – overload – overvoltage – undervoltage – low battery – overtemperature				
Communications		RS232 / USB (standard); RS485 / SNMP / dry contacts (optional)				
Operating temperature		0 ~ 40°C				
Storage temperature		-25°C ~ 55°C (without batteries);				
Relative humidity		0 ~ 95% (non-condensing)				
Operating altitude		≤ 1000 m (derating 1% for each additional 100 m)				
Noise level		< 60 dB (at 1 m)				
MTBF		MTBF > 20000 h				
MTTR		MTTR < 0.5 h				
IP rating		IP20				
Dimensions (W × D × H) (mm)	210 × 585 × 590	310 × 600 × 880	400 × 815 × 1100			
Net weight (kg)	54	96	130	201	230	277
Gross weight (kg)	64	108	142	216	245	292

● All specifications subject to change without notice.  
● Custom-made specifications are acceptable.