



آریاتک  
*Aryatak*

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## ARYA800

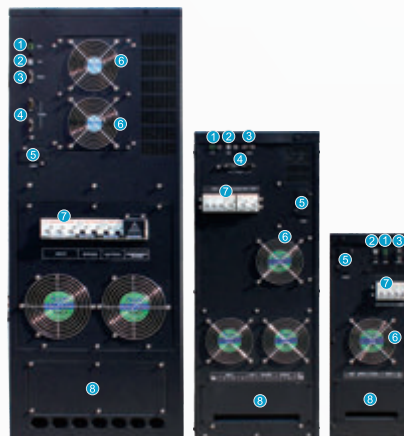
6 kVA ~ 10 kVA (1:1)  
 10 kVA ~ 30 kVA (3:1)  
 PF 0.8



### 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 (surgers, 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


1. EPO
2. USB
3. RS232
4. Parallel port
5. SNMP (optional)
6. Fan
7. Breaker
8. Terminal

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>						
Rated voltage	220 / 230 / 240 Vac (1 $\phi$ + N + PE)		380 / 400 / 415 Vac (3 $\phi$ + N + PE)			
Voltage range	165 ~ 275 Vac		285 ~ 475 Vac			
Rated frequency	50 Hz / 60 Hz					
Frequency range	40 ~ 70 Hz					
Frequency tracking range	$\pm$ 5% Hz					
<b>BYPASS</b>						
Rated voltage	220 / 230 / 240 Vac (1 $\phi$ + N + PE)					
Overload	Load current < 150% rated current: long time running, 150 % $\leq$ load current < 200 % for 1 min, 200 % rated current $\leq$ load current for 200 ms					
<b>BATTERIES</b>						
Battery voltage	192 Vdc					
Battery type	VRLA AGM maintenance-free lead based					
Number of battery	12 V x 16 pes					
Charging voltage	216 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>						
Rated voltage	220 / 230 / 240 Vac (1 $\phi$ + N + PE)					
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 $\pm$ 0.1 Hz					
Voltage precision	$\pm$ 1 %					
Recovery time of transient voltage	< 20 ms					
Crest factor	3:1					
THDV	$\leq$ 3 % (linear load); $\leq$ 6 % (non-linear load)					
Overload	Load $\leq$ 105%: long time running, 105 % < load $\leq$ 125% for 10 min, 125 % < load $\leq$ 150% for 1 min, 150% < load $\leq$ 200% for 200 ms, 200 % < load for 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	$\leq$ 1000 m (derating 1 % for each additional 100 m)					
Noise level	< 60 dB (at 1 m)					
MTBF	MTBF > 200000 h					
MTTR	MTTR < 0.5 h					
IP rating	IP20					
Dimensions (W x D x H) (mm)	210 x 585 x 590	310 x 600 x 880		400 x 815 x 1100		
Packaged dimensions (W x D x H) (mm)	328 x 716 x 805	430 x 710 x 1080		525 x 925 x 1305		
Net weight (kg)	54	96	130	201	230	277
Gross weight (kg)	64	108	142	216	245	292

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





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