

Specifications

MODEL	EA906PS	EA906PH	EA9010PS	EA9010PH
Capacity	6 KVA / 5400 W		10 KVA / 9000 W	
INPUT				
Rated voltage	208 V / 220 V / 230 V / 240 Vac			
Voltage range	110 ~ 160 Vac (linear derating between 50% and 100% load); 160 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)			
Rated frequency	50 / 60 Hz (auto-sense)			
Frequency range	40 ~ 70 Hz			
Power factor	≥ 0.99			
Total harmonic distortion (THDI)	≤ 5%			
Bypass voltage range	- 40% ~ + 15% (settable)			
OUTPUT				
Voltage	208 V / 220 V / 230 V / 240 Vac (settable)			
Voltage regulation	± 1%			
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)			
Waveform	Pure sine wave			
Crest factor	3:1			
Total harmonic distortion (THDV)	≤ 2% (linear load); ≤ 5% (non-linear load)			
Transfer time	Mains mode to battery mode: 0 ms; Inverter mode to bypass mode: 0 ms			
Inverter overload capability	102% ~ 125%: Transfer to bypass in 10 mins; 125% ~ 150%: Transfer to bypass in 1 min; > 150%: Transfer to bypass in 0.5 s			
Bypass overload capability	102% ~ 125%: Shut down in 20 mins; 125% ~ 150%: Shut down in 2 mins; > 150%: Shut down in 1 s			
BATTERIES				
DC voltage	192 VDC (168 / 180 / 192 / 204 / 216 / 228 / 240 VDC optional)			
Inbuilt battery	16 x 7 Ah	/	16 x 9 Ah	/
Recharge time	Standard model (S): 90% capacity restored in 4 hours; Long time model (H): depend on the capacity of battery			
SYSTEM				
EFFICIENCY	≥ 93%, ECO mode 98%			
Display	LCD+LED			
Alarms	Battery mode, battery voltage low, fans fault etc.			
Maximum Parallel numbers	6			
EMI	IEC/EN62040-2			
EMS	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)			
COMMUNICATIONS				
RS232 / USB / RS485 / dry contacts	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10			
SNMP	Power management from SNMP manager and web browser			
OTHERS				
Humidity	20 ~ 90% RH @ 0 ~ 40°C (non-condensing)			
Noise level	≤ 55 dB (1m)			
Dimensions (W x D x H) (mm)	191 x 462 x 710	191 x 462 x 350	191 x 462 x 710	191 x 462 x 350
Packaged dimensions (W x D x H) (mm)	308 x 640 x 896	267 x 573 x 436	308 x 640 x 896	267 x 573 x 436
Net weight (kg)	58.7	15.6	67.2	16.1
Gross weight (kg)	64.8	17.9	73.3	18.4

● Derate capacity to 70% in frequency conversion mode and to 90% when the output voltage is adjusted to 208 Vac.
● S means standard model, H means long time model.

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