EA600

500 VA ~ 3000 VA

Features

- Pure sine wave output
- DSP digital control
- Boost and buck AVR for voltage stabilization
- Auto sensing frequency
- Adjustable charging current and battery shutdown point
- Settable ECO mode and no-load shutdown
- Humanized alarm system
- Power-on self test
- Cold start
- Auto restart when mains power is restored
- Intelligent battery management
- Short circuit and overload protection
- Automatic charging in OFF mode
- USB & RJ45, AS400 / SNMP (optional) communication port

Rear Panel

1. USB / RJ45
2. Output Outlets
3. EXT Battery (optional)
4. AC Breaker
5. Input
6. SNMP (optional)
7. Fan

3 kVA (H)

3 kVA (S)

Optional outlets

RT

Specifications

MODEL		EA605	EA610	EA615	EA620	EA630
Capacity		500 VA / 300 W	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W	3000 VA / 2400W
DC INPUT						
Rated voltage		12 V	24 V		36 V (S) 48 V (H)	48 V
DC input range (default)		10 ~ 15 V	20~30 V		30 ~ 45 V (S) 40 ~ 60 V (H)	40~60 V
AC INPU						
AC input range (bypass mode)		0 ~ 242 / 264 / 276 / 288 Vac for 200 / 220 / 230 / 240 Vac ± 10 Vac				
AC input range (mains mode)		200 V: 145 ~ 260 Vac; 220 V: 165 ~ 280 Vac 230 V: 175 ~ 290 Vac; 240 V: 185 ~ 300 Vac				
Frequency input range		50 / 60 Hz (auto-sensing), 50 / 60 Hz ± 5% ~ 15%				
Generator connection		Available (generator input power is settable)				
OUTPUT						
Inverter output range		200 / 220 / 230 / 240 Vac ± 5% (settable)				
AC output range (bypass mode)		0 ~ 242 / 264 / 276 / 288 Vac for 200 / 220 / 230 V / 240 Vac ± 10 Vac				
AC output range (mains mode)		200 V: 166 ~ 226 Vac; 220 V: 188 ~ 245 Vac, 230 V: 199 ~ 254 Vac; 240 V: 210 ~ 264 Vac				
Output frequency		50 / 60 Hz ± 0.3 Hz (settable)				
Waveform		Pure sine wave				
Inverter efficiency		Max. 75%	Max. 80%		Max. 80%	
Energy saving mode		Settable (< 3% load), enter in 80 s				
No-load shutdown		Settable (< 3% load), shut down in 80 s				
Transfer time		≤ 10 ms				
THDV (resistive load)		≤ 5%				
Protections		Overload, short circuit (inverter), battery low voltage, battery over charge, overtemperature				
Overload (mains mode)		110% for 120 s, 125% for 60s, 150% for 10s (transfer to bypass mode)				
Overload (inverter mode)		110% for 60 s, 125% for 10 s, 150% for 5 s (shut down directly)				
Mute		Automatic mute in 60 s or by manual				
BATTERIES						
Inbuilt battery (standard model)		/	12 V / 7 Ah x 2	12 V / 9 Ah x 2	12 V / 9 Ah x 3	12 V / 9 Ah x 4
Charging current		Standard model (S): 1 A (default)				
		Long time model (H): 10 A (default); < 10 A, set step 1 A; ≥ 10 A, set step 5 A				
		Max. 10 A (H)	Max. 15 A (H)	/	Max. 20 A (H)	Max. 25 A (H)
Equalizing charge voltage		Single battery 14.1 Vdc (default), 13.6 ~ 15 Vdc adjustable				
Floating charge voltage		Single battery 13.5 Vdc (default), 13.2 ~ 14.6 Vdc adjustable				
Low voltage alarm point		Single battery 10.8 Vdc (default), 9.6 ~ 13Vdc adjustable				
Low voltage shutdown point		Single battery 10.2 Vdc (default), 9.6 ~ 11.5 Vdc adjustable				
OTHERS						
Communications		USB & RJ45 (standard), dry contacts / SNMP (optional)				
Operating temperature		5°C ~ 40°C				
Operating humidity		Relative humidity ≤ 93%				
Noise level		≤ 50 dB (1 m)				
Tower	Dimensions (W x D x H) (mm)	144 x 345 x 215 (S / H)			144 x 410 x 215 (S) 144 x 345 x 215 (H)	157.5 x 460 x 221.5 (S) 190 x 467 x 335.5 (H)
	Packaged dimensions (W x D x H) (mm)	236 x 427 x 316 (S / H)			236 x 492 x 316 (S) 236 x 427 x 316 (H)	238 x 550 x 305 (S) 320 x 592 x 462 (H)
	Net weight (kg)	7.0 (H)	12.2 (S) 11.6 (H)	14.2 (S)	18.5 (S) 17.8 (H)	23.6 (S) 28.0 (H)
	Gross weight (kg)	8.0 (H)	13.2 (S) 12.6 (H)	15.2 (S)	19.8 (S) 18.8 (H)	25 (S) 30.0 (H)
Rack-mount (2U)	Dimensions (W x D x H) (mm)	/	440 x 338 x 88	440 x 318 x 88	440 x 428 x 88	440 x 468 x 88
	Packaged dimensions (W x D x H) (mm)	/	611 x 448 x 208	616 x 443 x 190	560 x 545 x 201	597 x 545 x 198
	Net weight (kg)	/	14.6	15	21	27
	Gross weight (kg)	/	16.8	17.2	23.7	29.8

- S means standard model, H means long time model.
- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.