

MODEL	EA910PRT	EA920PRT	EA930PRT						
Capacity	1 kVA / 900 W	2 kVA / 1800 W	3 kVA / 2700 W						
<b>INPUT</b>									
Rated voltage	208 / 220 / 230 / 240 Vac								
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)								
Frequency	40 ~ 70 Hz (auto-sensing)								
Power factor	$\geq 0.99$								
Bypass voltage range	- 25% ~ + 15% settable								
Total harmonic distortion	$\leq 6\%$								
<b>OUTPUT</b>									
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)								
Voltage regulation	$\pm 1\%$								
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz $\pm 0.1$ Hz (battery mode)								
Waveform	Sinusoidal								
Power factor	0.9								
Total harmonic distortion (THDv)	$\leq 2\%$ (linear load), $\leq 5\%$ (non-linear load)								
Crest factor	3:1								
Overload	105% ~ 125% for 1 min, 125% ~ 150% for 30 s, > 150% for 300 ms								
<b>BATTERIES</b>									
DC voltage	24V(S)	36V(S)	36V(H)	48V(S)	72V(S)	72V(H)	72V(S)	96V(S)	96V(H)
Inbuilt battery	2x9Ah	3x7Ah	/	4x9Ah	6x7Ah	/	6x9Ah	8x7Ah	/
Charging current (max.)	1A	6 A	1 A	6 A	1 A	1 A	1 A	1 A	6 A
Recharge time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery								
<b>SYSTEM</b>									
Efficiency	$\geq 90\%$ (Mains mode) $\geq 85\%$ (Battery mode) $\geq 95\%$ (ECO mode)	$\geq 91\%$ (Mains mode) $\geq 86\%$ (Battery mode) $\geq 96\%$ (ECO mode)	$\geq 92\%$ (Mains mode) $\geq 87\%$ (Battery mode) $\geq 97\%$ (ECO mode)						
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)								
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection								
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)								
Display	LCD + LED								
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1								
<b>OTHERS</b>									
Operating temperature	0°C ~ 40°C								
Storage temperature	- 25 ~ 55°C (without batteries)								
Relative humidity	0 ~ 95% (non-condensing)								
Altitude	$\leq 1000$ m, derating 1% for each additional 100 m								
IP rating	IP 20								
Noise level at 1m	$\leq 50$ dB								

Dimensions (W × D × H) (mm)	440 x 338 x 88	440 x 430 x 88	440 x 468 x 88	440 x 430 x 88	440 x 560 x 88	440 x 468 x 88	440 x 560 x 88	440*468*88(UPS)      440*468*88(BAT)	440 x 468 x 88
Packaged dimensions (W × D × H) (mm)	545 x 428 x 194	545 x 560 x 201	545 x 592 x 201	545 x 560 x 201	545 x 690 x 201	545 x 592 x 201	545 x 690 x 201	592*545*198(UPS) 597*545*198(BAT)	545 x 592 x 201
Net weight (kg)	10.6	15.5	7.6	18.7	25.6	9.7	26.8	9.45(UPS)      27.2(BAT)	10.1
Gross weight (kg)	11.3	18.6	11.1	21.8	25.8	13.2	29.7	12.97(UPS) 30.2(BAT)	13.6