

batterX[®]

Hybrid UPS - batterX

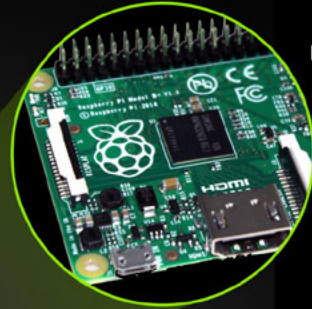
10-30kVA (3/1), 10-500kVA (3/3)

The energy supply

- Hybrid function with scalable Off Grid MPPT controller ●
- UPS, On-line "double conversion" technology (VFI) ●
- Controllable input current management ●
- Split / double bypass input ●
- Output power factor 0.9 ●
- Up to 8 units in parallel ●
- High efficiency > 94% ●
- Backfeed protection ●

The brain

- Controllable energy-mix of different energy sources ●
- Future-proof thanks to Open Source conception ●
- Apps, add-ons, plug-ins, updates and upgrades ... ●
- Up to 18 programmable IN/OUT interfaces ●
- Remote diagnosis and remote monitoring ●
- Cost reduction by peak load elimination ●
- Free choice of energy supplier ●
- 100% green electricity ●



Raspberry Pi



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	BAT10X	BAT15X	BAT20X	BAT30X	BAT40X	BAT60X	BAT80X	BAT100X	BAT120X	BAT160X	BAT200X	BAT250X	BAT300X	BAT400/500X		
Power (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300	400/500		
Input																
Voltage	380/400/415Vac 3phase +N, +/-20% (415Vac +15% -25%)															
Frequency range	50/60Hz selectable, +/-10Hz															
Power factor	0,99															
Harmonic distortion (THDi)	<3%															
Additional bypass input	yes															
Bypass voltage range	380/400/415Vac 3phase +N, +/-10%															
Solar charge controller	yes - hybrid function															
Output																
Power factor	0,9															
Power (kW)	9	13,5	18	27	36	54	72	90	108	144	180	225	270	360/400		
Voltage regulation	380/400/415Vac 3phase +N, +/-1% (220/230/240Vac for 10-30kVA)															
Frequency	50Hz or 60Hz adjustable															
Frequency regulation	line synchronized +/-2%, battery mode +/-0,1% adjustable															
Efficiency	up to 94%															
Crest factor	3:1															
Overload protection	100-125% 10min, 125-150% 60sec															
Additional protection	short circuit, voltage and current range															
Harmonic distortion (THD)	<3% at 100% linear load															
Battery																
Type	VRLA AGM/GEL or other types															
Nominal voltage	+/-360Vdc (2x30-12Vdc)															
Float or end of discharge DC voltage	+/- 405Vdc, +/-300Vdc															
Battery	internal							external								
Protection	overcharging, battery fuses, temperature compensation															
Automatic test	daily, weekly (adjustable)															
Hybrid Off Grid controller																
Power	10 and 40kW (up to 8 units in parallel)															
MPPT Input	270-640Vdc (40kW TBA)															
Input min/max Voc	200Vdc / 800Vdc (40kW TBA)															
Efficiency	≥97%															
Communication	RS232, 4 dry contacts, EPO, multi language graphical LCD															
Dimensions HxDxW / weight	10kW: 3Ux500x440mm/17kg (40kW TBA)															
General																
Standard & certificates	EMC/LVD/EMI - EN62040-1/2, EN60950, CE															
UPS interface	multi language graphical LCD															
Communication ports	2x RS232 ports, 4 dry contact (in option 8 dry contacts)															
UPS Controller card	4 USB, HDMI, Ethernet, Micro SD card...															
Input	18 programmable IN/OUT interfaces, RS232, RS485															
Genset kit	Generator contact and emergency power off															
Software	User programmable															
Alarm	Management software															
Protection	200 events (time and date) / in option 500 events															
Temperature range	Over-temperature, over-current, over-temperature alarm															
Protection degree	0°C - 40°C															
Humidity / Altitude	IP20 (IP54 optional)															
Audible noise at 1m	≤ 56dB			≤ 61dB			≤ 64dB			≤ 67dB			≤ 72dB			
Weight (kg)	86	92	98	175	182	196	218	259	480	560	650	770				
Dimensions (mm), HxWxD	1037x398x812					1437x513x852					1797x682x763					1797x1246x763



Horizontal mount



Wall mount

Charge controller for hybrid function 10/40kW