



FLEXIBLE BATTERY CHARGING CAPABILITY

Compatible across battery technologies to eliminate operator hassle and confusion.



UP TO 94% EFFICIENCY

For maximum performance and energy savings



BATTERY CHARGER EQUIPPED FOR NEXSYS® ION LITHIUM-ION BATTERIES

Engineered for NexSys® iON Lithium-ion batteries, but compatible with wide range of battery technologies, NexSys®+ chargers slash opportunity recharge times, enabling better productivity. When a NexSys® iON battery is connected to a NexSys®+ charger, they seamlessly communicate to control the charge current and voltage.

This communication between the charger and battery helps optimize performance and safety. A multi-color dashboard screen and intuitive interface give operators easy-to-understand diagnostics and feedback.

Suitable for NexSys® iON batteries, NexSys® TPPL batteries and all conventional flooded and gel battery technologies. NexSys®+ chargers eliminate the hassle and operator confusion of multiple chargers. Each NexSys®+ charger can adapt charging profiles to battery age and discharge level – helping reduce charger energy consumption.

NexSys®+



Nominal Power	Battery voltage	Nominal input voltage	Frequency	Max current draw @ 400Vac	AC input cable section	AC input cable length	Max output current @ nominalVac	Battery cables section	Battery cables length	IP protection	Operating temperature	Power factor	Idle mode	Display	Weight	Dimensions (HxWxD)	Weight with aimix	Dimensions (HxWxD) With aimix	Cabinet
kW	Vdc	Vac	Hz	Aac	mm2	m	Adc	mm2	m		°C		W		kg	mm	kg	mm	
1kW	12V	230V +/-10% / 1ph	50/60	2.4	3 x 1.5	1.5	36	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	6.0	344 x 250 x 182	9.0	435 x 286 x 185	3 bay (1 module)
1kW	24V	230V +/-10% / 1ph	50/60	4.8	3 x 1.5	1.5	36	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	6.0	344 x 250 x 182	9.0	435 x 286 x 185	3 bay (1 module)
1kW	36/48V	230V +/-10% / 1ph	50/60	5.1	3 x 1.5	1.5	25/18	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	6.0	344 x 250 x 182	9.0	435 x 286 x 185	3 bay (1 module)
2kW	12V	230V +/-10% / 1ph	50/60	4.8	3 x 1.5	1.5	70	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	70	344 x 250 x 182	10.0	435 x 286 x 185	3 bay (2 modules)
2kW	24V	230V +/-10% / 1ph	50/60	9.6	3 x 1.5	1.5	72	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	70	344 x 250 x 182	10.0	435 x 286 x 185	3 bay (2 modules)
2kW	36/48V	230V +/-10% / 1ph	50/60	10.2	3 x 1.5	1.5	50/36	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	70	344 x 250 x 182	10.0	435 x 286 x 185	3 bay (2 modules)
3kW	12V	230V +/-10% / 1ph	50/60	7.1	3 x 1.5	1.5	108	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	8.0	344 x 250 x 182	11.0	435 x 286 x 185	3 bay (3 modules)
3kW	24V	230V +/-10% / 1ph	50/60	14.4	3 x 1.5	1.5	108	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	8.0	344 x 250 x 182	11.0	435 x 286 x 185	3 bay (3 modules)
3kW	36/48V	230V +/-10% / 1ph	50/60	15.3	3 x 1.5	1.5	75/54	25	3	IP21	0°C to +45°C	0.99	≤10	Multiline TFT	8.0	344 x 250 x 182	11.0	435 x 286 x 185	3 bay (3 modules)
3.5kW	24/36/48V	400V +/- 10% / 3Ph	50/60	5.6	4 x 2.5	2	70/65/60	35	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	26.0	508 x 335 x 352	28.0	508 x 335 x 352	2 bay cabinet (1 module)
3.5kW	72/80V	400V +/- 10% / 3Ph	50/60	5.6	4 x 2.5	2	40/36	35	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	26.0	508 x 335 x 352	28.0	508 x 335 x 352	2 bay cabinet (1 module)
3.5kW	96V	400V +/- 10% / 3Ph	50/60	5.6	4 x 2.5	2	30	35	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	26.0	508 x 335 x 352	28.0	508 x 335 x 352	2 bay cabinet (1 module)
7kW	24/36/48V	400V +/- 10% / 3Ph	50/60	11.2	4 x 2.5	2	140/130/120	35	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	29.5	508 x 335 x 352	31.5	508 x 335 x 352	2 bay cabinet (2 modules)
7kW	72/80V	400V +/- 10% / 3Ph	50/60	11.2	4 x 2.5	2	80/72	35	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	29.5	508 x 335 x 352	31.5	508 x 335 x 352	2 bay cabinet (2 modules)
7kW	96V	400V +/- 10% / 3Ph	50/60	11.2	4 x 2.5	2	60	35	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	29.5	508 x 335 x 352	31.5	508 x 335 x 352	2 bay cabinet (2 modules)
10.5kW	24/36/48V	400V +/- 10% / 3Ph	50/60	16.8	4 x 4.0	2	210/195/180	70	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	33.5	508 x 335 x 352	33.5	508 x 335 x 352	4 bay cabinet (3 modules)
10.5kW	72/80V	400V +/- 10% / 3Ph	50/60	16.8	4 x 4.0	2	120/108	70	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	33.5	508 x 335 x 352	33.5	508 x 335 x 352	4 bay cabinet (3 modules)
10.5kW	96V	400V +/- 10% / 3Ph	50/60	16.8	4 x 4.0	2	90	70	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	33.5	508 x 335 x 352	33.5	508 x 335 x 352	4 bay cabinet (3 modules)
10.5kW	120V	400V +/- 10% / 3Ph	50/60	16.8	4 x 4.0	2	75	35	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	33.5	508 x 335 x 352	33.5	508 x 335 x 352	4 bay cabinet (3 modules)
14kW	24/36/48V	400V +/- 10% / 3Ph	50/60	22.4	4 x 4.0	2	280/260/240	70	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	37.0	508 x 335 x 352	39.0	508 x 335 x 352	4 bay cabinet (4 modules)
14kW	72/80V	400V +/- 10% / 3Ph	50/60	22.4	4 x 4.0	2	160/144	70	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	37.0	508 x 335 x 352	39.0	508 x 335 x 352	4 bay cabinet (4 modules)
14kW	96V	400V +/- 10% / 3Ph	50/60	22.4	4 x 4.0	2	120	70	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	37.0	508 x 335 x 352	39.0	508 x 335 x 352	4 bay cabinet (4 modules)
14kW	120V	400V +/- 10% / 3Ph	50/60	22.4	4 x 4.0	2	100	35	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	37.0	508 x 335 x 352	39.0	508 x 335 x 352	4 bay cabinet (4 modules)
17.5kW	24/36/48V	400V +/- 10% / 3Ph	50/60	28.0	4 x 6.0	2	320/320/300	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	44.5	508 x 485 x 352	46.5	508 x 485 x 352	6 bay cabinet (5 modules)
17.5kW	72/80V	400V +/- 10% / 3Ph	50/60	28.0	4 x 6.0	2	200/180	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	44.5	508 x 485 x 352	46.5	508 x 485 x 352	6 bay cabinet (5 modules)
17.5kW	96V	400V +/- 10% / 3Ph	50/60	28.0	4 x 6.0	2	150	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	44.5	508 x 485 x 352	46.5	508 x 485 x 352	6 bay cabinet (5 modules)
17.5kW	120V	400V +/- 10% / 3Ph	50/60	28.0	4 x 6.0	2	125	50	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	44.5	508 x 485 x 352	46.5	508 x 485 x 352	6 bay cabinet (5 modules)
21kW	24/36/48V	400V +/- 10% / 3Ph	50/60	29.8	4 x 6.0	2	320/320/320	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	48.0	508 x 485 x 352	50.0	508 x 485 x 352	6 bay cabinet (6 modules)
21kW	72/80V	400V +/- 10% / 3Ph	50/60	33.6	4 x 6.0	2	240/216	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	48.0	508 x 485 x 352	50.0	508 x 485 x 352	6 bay cabinet (6 modules)
21kW	96V	400V +/- 10% / 3Ph	50/60	33.6	4 x 6.0	2	180	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	48.0	508 x 485 x 352	50.0	508 x 485 x 352	6 bay cabinet (6 modules)
21kW	120V	400V +/- 10% / 3Ph	50/60	33.6	4 x 6.0	2	150	50	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	48.0	508 x 485 x 352	50.0	508 x 485 x 352	6 bay cabinet (6 modules)
24.5kW	24/36/48V	400V +/- 10% / 3Ph	50/60	37.3	4 x 10.0	2	490/455/420	70- 2 plugs	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	91.0	960 x 410 x 400	93	960 x 410 x 400	8 bay cabinet (7 modules)
24.5kW	72/80V	400V +/- 10% / 3Ph	50/60	37.3	4 x 10.0	2	280/252	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	86.0	960 x 410 x 400	88	960 x 410 x 400	8 bay cabinet (7 modules)
24.5kW	96V	400V +/- 10% / 3Ph	50/60	37.3	4 x 10.0	2	210	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	86.0	960 x 410 x 400	88	960 x 410 x 400	8 bay cabinet (7 modules)
24.5kW	120V	400V +/- 10% / 3Ph	50/60	37.3	4 x 10.0	2	175	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	86.0	960 x 410 x 400	88	960 x 410 x 400	8 bay cabinet (7 modules)
28kW	24/36/48V	400V +/- 10% / 3Ph	50/60	44.8	4 x 10.0	2	560/520/480	70- 2 plugs	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	95.0	960 x 410 x 400	97	960 x 410 x 400	8 bay cabinet (8 modules)
28kW	72/80V	400V +/- 10% / 3Ph	50/60	44.8	4 x 10.0	2	320/288	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	90.0	960 x 410 x 400	92	960 x 410 x 400	8 bay cabinet (8 modules)
28kW	96V	400V +/- 10% / 3Ph	50/60	44.8	4 x 10.0	2	240	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	90.0	960 x 410 x 400	92	960 x 410 x 400	8 bay cabinet (8 modules)
28kW	120V	400V +/- 10% / 3Ph	50/60	44.8	4 x 10.0	2	200	95	3	IP21	0°C to +45°C	0.95	≤10	Multiline TFT	90.0	960 x 410 x 400	92	960 x 410 x 400	8 bay cabinet (8 modules)

**Charging times (-/+ 0.5 h)
from 80% DOD @ 30°C
* 3 Bay Cabinet
** Output currents set at different values
to match specific capacities**

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