



PROTECTION RATED ENCLOSURE

Resistant to dust
and water*



FLEXIBLE BATTERY CHARGING CAPABILITY

Compatible across battery
technologies to eliminate operator
hassle and confusion



UP TO 94% EFFICIENCY

For maximum performance
and energy savings



EFFICIENT AND RELIABLE CHARGING FOR YOUR OUTDOOR EQUIPMENT.

Built to withstand the elements, this outdoor version of the advanced NexSys®+ charger comes inside a rugged IP54-rated enclosure that helps protect against dirt, water and seasonal temperatures.

NexSys®+ Outdoor charger is excellent for charging at airports, building material and rental yards, farms, cargo terminals, ports and other environments exposed to the weather.

NexSys®+ OUTDOOR



*Designed for typical weather conditions, not for submersion or areas prone to flooding

** Only 400 VAC units are CE certified

NexSys® + Outdoor Charger: Technical Data

Nominal Power	Battery voltage	Nominal input voltage	Frequency	Max current draw @ minVac	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)	Cabinet
kW	Vdc	Vac	Hz	Aac	mm2	m	Adc	mm2	m		°C		W		kg	mm	
3.5kW	24/36/48V	400V +/- 10% / 3Ph	50/60	5.6	4 x 2.5	2	70/65/60	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	76.5	720 x 603 x 605	6 bay cabinet (1 module)
3.5kW	72/80V	400V +/- 10% / 3Ph	50/60	5.6	4 x 2.5	2	40/36	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	76.5	720 x 603 x 605	6 bay cabinet (1 module)
3.5kW	96V	400V +/- 10% / 3Ph	50/60	5.6	4 x 2.5	2	30	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	76.5	720 x 603 x 605	6 bay cabinet (1 module)
7kW	24/36/48V	400V +/- 10% / 3Ph	50/60	11.2	4 x 2.5	2	140/130/120	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	80.0	720 x 603 x 605	6 bay cabinet (2 module)
7kW	72/80V	400V +/- 10% / 3Ph	50/60	11.2	4 x 2.5	2	80/72	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	80.0	720 x 603 x 605	6 bay cabinet (2 module)
7kW	96V	400V +/- 10% / 3Ph	50/60	11.2	4 x 2.5	2	60	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	80.0	720 x 603 x 605	6 bay cabinet (2 module)
10.5kW	24/36/48V	400V +/- 10% / 3Ph	50/60	16.8	4 x 4.0	2	210/195/180	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	83.5	720 x 603 x 605	6 bay cabinet (3 module)
10.5kW	72/80V	400V +/- 10% / 3Ph	50/60	16.8	4 x 4.0	2	120/108	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	83.5	720 x 603 x 605	6 bay cabinet (3 module)
10.5kW	96V	400V +/- 10% / 3Ph	50/60	16.8	4 x 4.0	2	90	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	83.5	720 x 603 x 605	6 bay cabinet (3 module)
14kW	24/36/48V	400V +/- 10% / 3Ph	50/60	22.4	4 x 4.0	2	280/260/240	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	87.0	720 x 603 x 605	6 bay cabinet (4 module)
14kW	72/80V	400V +/- 10% / 3Ph	50/60	22.4	4 x 4.0	2	160/144	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	87.0	720 x 603 x 605	6 bay cabinet (4 module)
14kW	96V	400V +/- 10% / 3Ph	50/60	22.4	4 x 4.0	2	120	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	87.0	720 x 603 x 605	6 bay cabinet (4 module)
17.5kW	24/36/48V	400V +/- 10% / 3Ph	50/60	28.0	4 x 6.0	2	320/320/300	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	90.5	720 x 603 x 605	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	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	90.5	720 x 603 x 605	6 bay cabinet (5 modules)
17.5kW	96V	400V +/- 10% / 3Ph	50/60	28.0	4 x 6.0	2	150	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	90.5	720 x 603 x 605	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	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	94.0	720 x 603 x 605	6 bay cabinet (6 modules)
21kW	72/80V	400V +/- 10% / 3Ph	50/60	33.6	4 x 6.0	2	240/216	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	94.0	720 x 603 x 605	6 bay cabinet (6 modules)
21kW	96V	400V +/- 10% / 3Ph	50/60	33.6	4 x 6.0	2	180	95	3	IP54 enclosure	-20°C to +45°C	0.95	≤10	Multiline TFT	94.0	720 x 603 x 605	6 bay cabinet (6 modules)

See the next page for matching table data.

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

	Configuration	Volt	I Out	PzS, PzB, PzM (WL8)			Slow Charge PzS,PzB, PzM		Gel PzV, PzVB		Opportunity charge PzO		NexSys [®] TPPL FAST			NexSys [®] TPPL Bloc			NexSys [®] ION		NexSys [®] 2V ATP				
				6h	7h	8h	9h	10.5h	12h	@60% 8 h @80% 11 h	@60% 9 h @80% 12 h	7h	8h	4h	5h	5.5h	4h	6h	6.25h	1h	5h	4h	6.25h		
				C5 MIN		C5 MAX	C5 MIN	C5 MAX	C5 MIN	C5 MAX	C5 MIN	C5 MAX	C5 MIN	C5 MAX	C5 MIN	C5 MAX	C5 MIN	C5 MAX	C5 MIN	C5 MAX	C5 min Rate = 0.5C	C5 max Rate = 0.18C			
THREE PHASE																									
TC3 NexSys+ 24V 3,5kW	MAX POUT	24	70	280	424	538	538	636	753	318	428	280	350	175	219	389	100	318	389	70	350	140	389		
			96	384	582	738	738	873	1032	436	587	350	480	240	300	533	137	436	533	96	480	192	533		
			128	512	776	985	985	1164	1376	582	783	480	640	320	400	711	183	582	570	128	640	256	711		
			140	560	848	1077	1077	1273	1505	636	856	640	700	350	438	778	200	636	570	140	700	280	778		
			163	652	988	1254	1254	1482	1753	741	997	700	815	408	509	906	233	741	570	163	815	326	906		
			210	840	1273	1615	1615	1860	1860	955	1120	815	1050	525	656	1167	300	955	570	210	925	420	1167		
			280	1120	1697	2064						1050	1400	700	875	1400	400	1273	570	280	925	560	1400		
			320	1280	1939	2064						1280	1600	800	1000	1400	457	1400	570	320	925	640	1400		
			320	1280	1939	2064						1280	1600	800	1000	1400	457	1400	570	320	925	640	1400		
			560	2064								1400					570	1400	570	560	925	1120			
			TC3 NexSys+ 24V 35kW			0																	640	925	
			TC3 NexSys+ 36V 3,5kW	MAX POUT		65	260	394	500	500	591	699	295	398	260	325	163	203	361	93	295	361	65	325	130
TC3 NexSys+ 36V 7kW	MAX POUT		130	520	788	1000	1000	1182	1398	591	795	325	650	325	406	722	186	591	570	130	650	260	722		
TC3 NexSys+ 36V 10,5kW	MAX POUT		195	780	1182	1500	1500	1773	1860	886	1120	650	975	488	609	1083	279	886	570	195	975	390	1083		
TC3 NexSys+ 36V 14kW	MAX POUT		260	1040	1576	2000						975	1300	650	813	1400	371	1182	570	260	987	520	1400		
TC3 NexSys+ 36V 17,5kW	MAX POUT		320	1280	1939	2064						1280	1600	800	1000	1400	457	1400	570	320	987	640	1400		
TC3 NexSys+ 36V 21kW	MAX POUT		320	1280	1939	2064						1280	1600	800	1000	1400	457	1400	570	320	987	640	1400		
TC3 NexSys+ 36V 28kW	MAX POUT		520	2064								1300	1400	1400	1400	570	1400	570	520	987	1040	1400			
TC3 NexSys+ 36V 35kW			0																	640	987				
TC3 NexSys+ 48V 3,5kW	MAX POUT		60	240	364	462	462	545	645	273	367	240	300	150	188	333	86	273	333	60	300	120	333		
TC3 NexSys+ 48V 7kW	Contr POUT**		82	328	497	631	631	745	882	373	502	300	410	205	256	456	117	373	456	82	410	164	456		
TC3 NexSys+ 48V 7kW	Contr POUT1**		110	440	667	846	846	1000	1183	500	673	410	550	275	344	611	157	500	570	110	550	220	611		
TC3 NexSys+ 48V 7kW	MAX POUT		120	480	727	923	923	1091	1290	545	734	550	600	300	375	667	171	545	570	120	600	240	667		
TC3 NexSys+ 48V 10,5kW	Contr POUT**		140	560	848	1077	1077	1273	1505	636	856	600	700	350	438	778	200	636	570	140	700	280	778		
TC3 NexSys+ 48V 10,5kW	MAX POUT		180	720	1091	1385	1385	1636	1860	818	1101	700	900	450	563	1000	257	818	570	180	900	360	1000		
TC3 NexSys+ 48V 14kW	MAX POUT		240	960	1455	1846	1846	1860		1091	1120	900	1200	600	750	1333	343	1091	570	240	1110	480	1333		
TC3 NexSys+ 48V 17,5kW	MAX POUT		300	1200	1818	2064						1200	1500	750	938	1400	429	1364	570	300	1110	600	1400		
TC3 NexSys+ 48V 21kW	MAX POUT		320	1280	1939	2064						1280	1600	800	1000	1400	457	1400	570	320	1110	640	1400		
TC3 NexSys+ 48V 28kW	MAX POUT		480	1920	2064							1200	1400	1400	1400	570	1400	570	480	1110	960	1400			
TC3 NexSys+ 48V 35kW			0	0																600	1110				
TC3 NexSys+ 48V 42kW			0	0																640	1110				
TC3 NexSys+ 72V 3,5kW	MAX POUT		40	160	242	308	308	364	430	182	245	160	200	100	125	222	57	182	222			80	222		
TC3 NexSys+ 72V 7kW	Contr POUT**		60	240	364	462	462	545	645	273	367	200	300	150	188	333	86	273	333			120	333		
TC3 NexSys+ 72V 7kW	MAX POUT		80	320	485	615	615	727	860	364	489	300	400	200	250	444	114	364	444			160	444		
TC3 NexSys+ 72V 10,5kW	Contr POUT**		100	400	606	769	769	909	1075	455	612	400	500	250	313	556	143	455	556			200	556		
TC3 NexSys+ 72V 10,5kW	MAX POUT		120	480	727	923	923	1091	1290	545	734	500	600	300	375	667	171	545	570			240	667		
TC3 NexSys+ 72V 14kW	MAX POUT		160	640	970	1231	1231	1455	1720	727	979	600	800	400	500	889	229	727	570			320	889		
TC3 NexSys+ 72V 17,5kW	MAX POUT		200	800	1212	1538	1538	1818	1860	909	1120	800	1000	500	625	1111	286	909	570			400	1111		
TC3 NexSys+ 72V 21kW	MAX POUT		240	960	1455	1846	1846	1860		1091	1120	960	1200	600	750	1333	343	1091	570			480	1333		
TC3 NexSys+ 72V 28kW	MAX POUT		320	1280	1939	2064				1120	1120	1280	1600	800	1000	1400	457	1400	570			640	1400		
TC3 NexSys+ 72V 35kW	MAX POUT		400	1600	2064							1600	2000	1000	1250	1400	570	1400	570			800	1400		
TC3 NexSys+ 72V 42kW	MAX POUT		480	1920	2064							1920	2064	1200	1400	1400	570	1400	570			960	1400		
TC3 NexSys+ 80V 3,5kW	MAX POUT		36	144	218	277	277	327	387	164	220	144	180	90	113	200	51	164	200	36	180	72	200		
TC3 NexSys+ 80V 7kW	MAX POUT		72	288	436	554	554	655	774	327	440	180	360	180	225	400	103	327	400	72	360	144	400		
TC3 NexSys+ 80V 10,5kW	Contr POUT		90	360	545	692	692	818	968	409	550	360	450	225	281	500	129	409	500	90	450	180	500		
TC3 NexSys+ 80V 10,5kW	MAX POUT		108	432	655	831	831	982	1161	491	661	450	540	270	338	600	154	491	570	108	540	216	600		
TC3 NexSys+ 80V 14kW	MAX POUT		144	576	873	1108	1108	1309	1548	655	881	540	720	360	450	800	206	655	570	144	720	288	800		
TC3 NexSys+ 80V 17,5kW	MAX POUT		180	720	1091	1385	1385	1636	1860	818	1101	720	900	450	563	1000	257	818	570	180	900	360	1000		
TC3 NexSys+ 80V 21kW	MAX POUT		216	864	1309	1662	1662	1860		982	1120	864	1080	540	675	1200	309	982	570	216	1080	432	1200		
TC3 NexSys+ 80V 28kW	MAX POUT		288	1152	1745	2064	1860			1120	1120	1152	1440	720	900	1400	411	1309	570	288	1221	576	1400		
TC3 NexSys+ 80V 35kW	MAX POUT		360	1440	2064					1120	1120	1440	1800	900	1125	1400	514	1400	570	360	1221	720	1400		
TC3 NexSys+ 80V 42kW	MAX POUT		432	1728	2064					1120	1120	1728	2064	1080	1350	1400	570	1400	570	432	1221	864	1400		
TC3 NexSys+ 96V 3,5kW	MAX POUT		30	120	182	231	231	273	323	136	183	120	150	75	94	167						60	167		
TC3 NexSys+ 96V 7kW	MAX POUT		60	240	364	462	462	545	645	273	367	240	300	150	188	333						120	333		
TC3 NexSys+ 96V 10,5kW	MAX POUT		90	360	545</																				