

LifeIQ™ Modular

MATCHING TABLE OF CAPACITY AND RECHARGE TIME (charging times (+/- 0.5 h) from 80% DOD at 30°C)

CHARGING PROFILES							Gel / PzV, PzVB			
Slow Charge** PzJ, PzS, PzB, PzM						9 h	10.5 h	12 h	@60% dod 8 h	@60% dod 9 h
Heavy duty flooded PzJ, PzS, PzB, PzQ			7 h	8 h	9 h				@80% dod 11 h	@80% dod 12 h
Standard flooded PzJ, PzS, PzB, PzM (WL8)			6 h	7 h	8 h					
Airmix with PzS, PzB, PzM (WL13), PzQ			5.5 h	6.5 h	7.5 h					
	Configuration	Volt	C5 Min		C5 Max	C5 Min		C5 Max	C5 Min	C5 Max

SINGLE PHASE

TC1 LQ Modular 24V 1kW***	Contr POUT**	24	108	189	208	208	245	290	123	165	
	MAX POUT		144	252	277	277	327	387	164	220	
TC1 LQ Modular 24V 2kW	Contr POUT**		196	343	377	377	445	527	223	300	
	MAX POUT		288	503	554	554	655	774	327	440	
TC1 LQ Modular 24V 3kW	Contr POUT**		380	664	731	731	864	1022	432	581	
	MAX POUT		432	755	831	831	982	1161	491	661	
TC1 LQ Modular 36/48V 1kW***	Contr POUT**		36	64	112	123	123	145	172	73	98
	MAX POUT			100	175	192	192	227	269	114	153
TC1 LQ Modular 36/48V 2kW	Contr POUT**			136	238	262	262	309	366	155	208
	MAX POUT			192	336	369	369	436	516	218	294
TC1 LQ Modular 36/48V 3kW	Contr POUT**			240	420	462	462	545	645	273	367
	MAX POUT			300	524	577	577	682	806	341	459
TC1 LQ Modular 36/48V 1kW***	MAX POUT	48		72	126	138	138	164	194	82	110
	Contr POUT**			98	171	188	188	223	263	111	150
TC1 LQ Modular 36/48V 2kW	MAX POUT			144	252	277	277	327	387	164	220
	Contr POUT**			172	301	331	331	391	462	195	263
TC1 LQ Modular 36/48V 3kW	MAX POUT			216	378	415	415	491	581	245	330

THREE PHASE

TC3 LQ Modular 24/36/48V 3.5kW	MAX POUT	24	280	490	538	538	636	753	318	428	
	Contr POUT**		384	671	738	738	873	1032	436	587	
TC3 LQ Modular 24/36/48V 7kW	Contr POUT1**		512	895	985	985	1164	1376	582	783	
	MAX POUT		560	979	1077	1077	1273	1505	636	856	
TC3 LQ Modular 24/36/48V 10.5kW	Contr POUT**		652	1140	1254	1254	1482	1550	741	997	
	MAX POUT		840	1469	1550				955	1120	
TC3 LQ Modular 24/36/48V 14kW	MAX POUT			1120	1550						
	MAX POUT			1280	1550						
TC3 LQ Modular 24/36/48V 21kW	MAX POUT			1280	1550						
	MAX POUT										
TC3 LQ Modular 24/36/48V 3.5kW	MAX POUT		36	260	455	500	500	591	699	295	398
	MAX POUT			520	909	1000	1000	1182	1398	591	765
TC3 LQ Modular 24/36/48V 7kW	MAX POUT	780		1364	1500	1500	1550		886	1120	
	MAX POUT	1040		1550							
TC3 LQ Modular 24/36/48V 14kW	MAX POUT	1280		1550							
	MAX POUT	1280		1550							
TC3 LQ Modular 24/36/48V 3.5kW	MAX POUT	48		240	420	462	462	545	645	273	367
	Contr POUT**			328	573	631	631	745	882	373	502
TC3 LQ Modular 24/36/48V 7kW	Contr POUT1**			440	769	846	846	1000	1183	500	673
	MAX POUT			480	839	923	923	1091	1290	545	734
TC3 LQ Modular 24/36/48V 10.5kW	Contr POUT**			560	979	1077	1077	1273	1505	636	856
	MAX POUT			720	1259	1385	1385	1550		818	1101
TC3 LQ Modular 24/36/48V 14kW	MAX POUT		960	1550					1091	1120	
	MAX POUT		1200	1550							
TC3 LQ Modular 24/36/48V 21kW	MAX POUT		1280	1550							
	MAX POUT										
TC3 LQ Modular 72/80V 3.5kW	MAX POUT		72	160	280	308	308	364	430	182	245
	Contr POUT**			240	420	462	462	545	645	273	367
TC3 LQ Modular 72/80V 7kW	MAX POUT	320		559	615	615	727	860	364	489	
	Contr POUT**	400		699	769	769	909	1075	455	612	
TC3 LQ Modular 72/80V 10.5kW	MAX POUT	480		839	923	923	1091	1290	545	734	
	MAX POUT	640		1119	1231	1231	1455	1550	727	979	
TC3 LQ Modular 72/80V 14kW	MAX POUT	800		1399	1538	1538	1550		909	1120	
	MAX POUT	960		1550					1091	1120	
TC3 LQ Modular 72/80V 3.5kW	MAX POUT	80		144	252	277	277	327	387	164	220
	MAX POUT			288	503	554	554	655	774	327	440
TC3 LQ Modular 72/80V 7kW	Contr POUT**			360	629	692	692	818	968	409	550
	MAX POUT			432	755	831	831	982	1161	491	661
TC3 LQ Modular 72/80V 14kW	MAX POUT		576	1007	1108	1108	1309	1548	655	881	
	MAX POUT		720	1259	1385	1385	1550		818	1101	
TC3 LQ Modular 72/80V 21kW	MAX POUT		864	1510	1550				982	1120	
	MAX POUT										

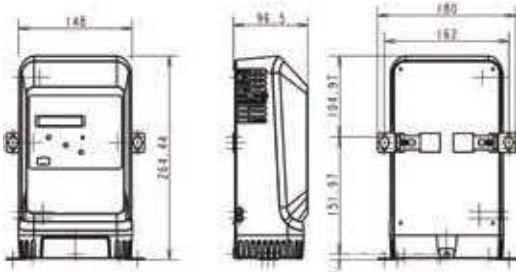
** (Controlled Power Out) Output currents set at different values to match specific capacities using Slow Charge profile.

***Use 3 bay cabinet

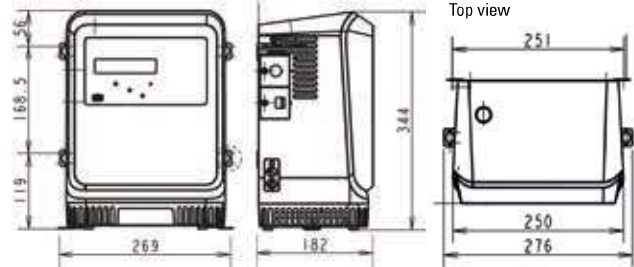
TECHNICAL SPECIFICATION - SINGLE PHASE (values @ nominal supply voltage 230Vac)

Specifications	Units	Stand Alone 1kW *			2kW		3kW	
Battery voltage		12V	24V	36/48V	24V	36/48V	24V	36/48V
Input voltage range	V _{ac}	85 - 265V / 1Ph (Nominal 230V +/- 10%)						
Frequency	Hz	50/60						
Max input current	A _{ac}	2.4	4.8	5.1	9.6	10.2	14.4	15.3
AC input cable section	mm ²	3 x 1.0			3 x 1.5			
AC input cable length	m	1.5						
Max output current	A _{dc}	36	36	25/18	72	50/36	108	75/54
Battery cables section	mm ²	6			25			
Battery cables length	m	3						
IP protection		IP21						
Operating temperature	°C	0°C to +55°C (Auto Derate after +45°C)						
Power factor		0.99						
Idle mode	W	≤10						
Display		2 line LCD (Lifetech) - 4" TFT Multi Colour (LifeIQ)						
Weight	kg	2.4			6.7		7.7	
Dimensions	mm	264 x 148 x 96.5 (no brackets)			344 x 250 x 182 (no brackets)			
Weight (w/airmix)	kg	* Not available on stand alone 1kW			10.0		11.0	
Dimensions (w/airmix)	mm	* Not available on stand alone 1kW			435 x 286 x 185 (no brackets)			
Cabinet		1 bay stand alone (1 module)			3 bay (2 modules)		3 bay (3 modules)	

1 Bay Standalone Cabinet



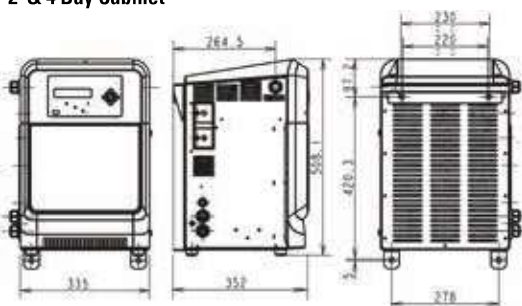
3 Bay Cabinet



TECHNICAL SPECIFICATION - THREE PHASE (values @ nominal supply voltage 400Vac). *Restricted to max 320A DC output due to single plug limitation

Specifications	Units	3.5kW		7kW		10.5kW		14kW		17.5kW*		21kW*	
Battery voltage		24/36/48V	72/80V	24/36/48V	72/80V	24/36/48V	72/80V	24/36/48V	72/80V	24/36/48V	72/80V	24/36/48V	72/80V
Input voltage range	V _{ac}	360-530V / 3Ph (Nominal 400V +/- 10%)											
Frequency	Hz	50/60											
Max input current	A _{ac}	5.6	5.6	11.2	11.2	16.8	16.8	22.4	22.4	28.0	28.0	29.8	33.6
AC input cable section	mm ²	4 x 2.5				4 x 4.0				4 x 6.0			
AC input cable length	m	2											
Max output current	A _{dc}	70/65/60	40/36	140/130/120	80/72	210/195/180	120/108	280/260/240	160/144	320/320/300	200/180	320/320/320	240/216
Battery cables section	mm ²	35				70				95			
Battery cables length	m	3											
IP protection		IP21											
Operating temperature	°C	0°C to +55°C (Auto Derate after + 45°C)											
Power factor		0.95											
Idle mode	W	≤10											
Display		2 line LCD (Lifetech) - 4" TFT Multi Colour (LifeIQ)											
Weight	kg	26.0		29.5		33.5		37.0		44.5		48.0	
Dimensions	mm	508 x 335 x 352											
Weight (w/airmix)	kg	28.0		31.5		35.5		39.0		46.5		50.0	
Dimensions (w/airmix)	mm	508 x 335 x 352											
Cabinet		2 bay (1 module)		2 bay (2 modules)		4 bay (3 modules)		4 bay (4 modules)		6 bay (5 modules)		6 bay (6 modules)	

2 & 4 Bay Cabinet



6 Bay Cabinet

