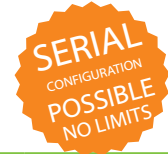


# OVERVIEW



LIT/04.01.0085



## LI(NMC)O2 14V MODULE 60Ah-175Ah

		LIT/D14-60M+	LIT/D14-66M+	LIT/D14-160M+	LIT/D14-175M+
Nominal Module Voltage		14,4V	14,4V	14,4V	14,4V
Nominal Capacity (C/5, 23°C)		60Ah	66Ah	158Ah	173,8Ah
Weight (approximate)		6,5kg	6,5kg	15,8kg	15,8kg
Dimensions (incl. terminals)		197 x 131 x 182 mm	197 x 131 x 182 mm	260 x 172 x 225 mm	260 x 172 x 225 mm
Terminals, Femali Threaded		M6 x 1.0	M6 x 1.0	M8 x 1.25	M8 x 1.25
Specific Energy		133 Wh/kg	146 Wh/kg	146 Wh/kg	158 Wh/kg
Standard Discharge	Max. Continuous Current	80A	80A	150A	150A
	Peak Current (10s)	120A	120A	300A	300A
	Cut-off Voltage	12V	12V	12V	12V
Standard Charge	Cut-off Voltage	16,4V	16,4V	16,4V	16,4V
	Standard Charge Rate	0.5C	0.5C	0.5C	0.5C



## LIFEP04 12V MODULE 45Ah-120Ah

		LIT/D12-45M	LIT/D12-120M	LIT/D12-45M+	LIT/D12-120M+
Nominal Module Voltage		12,8V	12,8V	12,8V	12,8V
Nominal Capacity (C/5, 23°C)		45Ah	120Ah	45Ah	120Ah
Weight (approximate)		6,5kg	15,8kg	6,5kg	15,8kg
Dimensions (incl. terminals)		197 x 131 x 182 mm	260 x 131 x 182 mm	197 x 131 x 182 mm	260 x 172 x 225 mm
Terminals, Femali Threaded		M6 x 1.0	M8 x 1.0	M6 x 1.25	M8 x 1.25
Specific Energy		88 Wh/kg	97 Wh/kg	88 Wh/kg	97 Wh/kg
Standard Discharge	Max. Continuous Current	30A	80A	80A	150A
	Peak Current (10s)	80A (30s)	200A (5s)	120A (30s)	300A (30s)
	Cut-off Voltage	12V	12V	12V	12V
Standard Charge	Cut-off Voltage	14,6V	14,6V	14,6V	14,6V

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# OVERVIEW



**LIT/D12-16G**

**LIT/D12-22G**

Layout/Terminals	flat T-bar	flat T-bar
Voltage	12,8V	12,8V
Capacity	16Ah	22Ah
Dimensions LxWxH	168 x 128 x 75,8 mm	168 x 128 x 102 mm
Weight	2,0 kg	2,8 kg
Max working current	16 A	22 A
Peak current	48 A (max10")	66 A (max10")
Charging current	< 5 A	< 5 A
Suitable charger	Included	Included



**LIT/D12-7,5**

**LIT/D12-10**

**LIT/D12-12**

**LIT/D12-15**

Layout/Terminals	T1	T1	T2	M5
Voltage	12,8V	12,8V	12,8V	12,8V
Capacity	7,5Ah	10Ah	12Ah	15Ah
Dimensions LxWxH	152 x 65 x 93 mm	151 x 98 x 94 mm	151 x 98 x 94 mm	180 x 76 x 166 mm
Weight	1,0 kg	1,5 kg	1,7 kg	2,3 kg
Max working current	15 A	10 A	12 A	15 A
Peak current	60 A	30 A	36 A	45 A
Charging current	< 5 A	< 5 A	< 5 A	< 10 A
Discharge cut off voltage	≤ 10 V	≤ 10 V	≤ 10 V	≤ 10 V
Inner resistance	≤ 80 mΩ	≤ 50 mΩ	≤ 60 mΩ	≤ 50 mΩ
Suitable charger	14,6V 3A: LIT/04.01.0052	14,6V 3A: LIT/04.01.0052	14,6V 5A: LIT/04.01.0053	14,6V 5A: LIT/04.01.0053



**LIT/D12-20**

**LIT/D12-24**

**LIT/12-25**

**LIT/D12-30N**

Layout/Terminals	M5	M5	M6	M6
Voltage	12,8V	12,8V	12,8V	12,8V
Capacity	20 Ah	24 Ah	25 Ah	30 Ah
Dimensions LxWxH	180 x 76 x 166 mm	174 x 174 x 128 mm	166 x 176 x 126 mm	174 x 173 x 113 mm
Weight	2,8 kg	3,2 kg	3,4 kg	4 kg
Max working current	20 A	30 A	25 A	30 A
Peak current	60 A	140 A	75 A	90 A
Charging current	< 10 A	< 12 A	< 15 A	< 15 A
Discharge cut off voltage	≤ 10 V	≤ 10 V	≤ 10 V	≤ 10 V
Inner resistance	≤ 50 mΩ	≤ 40 mΩ	≤ 40 mΩ	≤ 35 mΩ
Suitable charger	14,6V 5A: LIT/04.01.0053	14,6V 5A: LIT/04.01.0053	14,6V 5A: LIT/04.01.0053	14,6V 5A: LIT/04.01.0053

# OVERVIEW



**LIT/D12-40**

**LIT/D12-60**

**LIT/D12-80**

**LIT/D12-100**

Layout/Terminals	M6	M8	M8	M8
Voltage	12,8V	12,8V	12,8V	12,8V
Capacity	40Ah	60Ah	80Ah	100Ah
Dimensions LxWxH	197 x 135 x 172 mm	260 x 169 x 215 mm	318 x 165 x 215 mm	318 x 165 x 215 mm
Weight	5,7 kg	10,5 kg	12,5 kg	14,8 kg
Max working current	40 A	50 A	100 A	100 A
Peak current	120 A	170 A	350 A	350 A
Charging current	< 20 A	< 30 A	< 40 A	< 50 A
Discharge cut off voltage	≤ 10 V	≤ 10 V	≤ 10 V	≤ 10 V
Inner resistance	≤ 50 mΩ	≤ 20 mΩ	≤ 20 mΩ	≤ 20 mΩ
Suitable charger	14,6V 10A: LIT/04.01.0080	14,6V 25A: LIT/04.01.0043	14,6V 25A: LIT/04.01.0043	14,6V 25A: LIT/04.01.0043



**LIT/D12-200**

**LIT/D12-300**

**LIT/D24-10**

**LIT/D24-20**

Layout/Terminals	M8	M8	M5	M6
Voltage	12,8V	12,8V	25,6V	25,6V
Capacity	200Ah	300Ah	10Ah	20Ah
Dimensions LxWxH	485 x 170 x 245 mm	520 x 269 x 249 mm	180 x 76 x 166 mm	195 x 135 x 176 mm
Weight	25,69 kg	38,9 kg	2,6 kg	5,3 kg
Max working current	100 A	100 A	10 A	20 A
Peak current	350 A	350 A	40 A	60 A
Charging current	< 100 A	< 100 A	< 5 A	< 10A
Discharge cut off voltage	≤ 10 V	≤ 10 V	≤ 20 V	≤ 20 V
Inner resistance	≤ 10 mΩ		≤ 120 mΩ	≤ 60 mΩ
Suitable charger	14,6V 25A: LIT/04.01.0043	14,6V 25A: LIT/04.01.0043	29,4V 3A: LIT/04.01.0008	29,4V 5A: LIT/04.01.0054



**LIT/D24-50**

**LIT/D24-100**

**LIT24 200**

**LIT/24 300**

Layout/Terminals	M8	M8		
Voltage	25,6V	25,6V	25,6V	25,6V
Capacity	50Ah	100Ah	200Ah	300Ah
Dimensions LxWxH	318 x 215 x 165 mm	485 x 170 x 245 mm	605 x 158 x 493 mm	605 x 205 x 533 mm
Weight	12,5 kg	21,8 kg	61,6 kg	86 kg
Max working current	50 A	100 A	-	-
Peak current	100 A	300 A	-	-
Charging current	< 25 A	< 50 A	≤ 60 A	≤ 60 A
Discharge cut off voltage	≤ 20 V	≤ 20 V	≤ 20V	≤ 20V
Inner resistance	≤ 20 mΩ	≤ 30 mΩ	≤ 20 mΩ	≤ 20 mΩ
Suitable charger	29,4V 25A: LIT/04.01.0046	29,4V 25A: LIT/04.01.0046		

# OVERVIEW



	LIT/D48-10	LIT/D48-25	LIT/D48-50	LIT/D48-75
Layout/Terminals	Anderson	M8	M8	M8
Voltage	51,2V	51,2V	51,2V	51,2V
Capacity	10Ah	25Ah	50Ah	75Ah
Dimensions LxWxH	175 x 136 x 145 mm	318 x 165 x 215 mm	485 x 170 x 245 mm	520 x 269 x 221 mm
Weight	9,1 kg	12,2 kg	24,2 kg	37,7 kg
Max working current	10 A	25 A	50 A	100 A
Peak current	75 A	115 A	150 A	350 A
Charging current	< 5 A	< 12,5 A	< 25 A	< 40 A
Discharge cut off voltage	≤ 36,8 V	≤ 36,8 V	≤ 36,8 V	≤ 36,8 V
Inner resistance	≤ 200 mΩ	≤ 60 mΩ	≤ 40 mΩ	≤ 40 mΩ
Suitable charger	LIT/04.01.0137	LIT/04.01.0070	LIT/04.01.0056	LIT/04.01.0134

Q-series



M-series



	LIT/Q3-100	LIT/Q3-180	LIT/Q3-200	LIT/M3-20	LIT/M3-72
Layout/Terminals					
Nominal Voltage	3,2V	3,2V	3,2V	3,2V	3,2V
Nominal Capacity	100Ah	180Ah	200Ah	20Ah	72Ah
Dimensions LxWxH	142 x 67 x 216 mm	180 x 71 x 279 mm	182 x 71 x 279 mm	148 x 27 x 98 mm	135 x 29 x 220 mm
Weight	3,3 kg	5,6 kg	5,7 kg	0,65 kg	1,75 kg
Continuous Discharging Current (C)	2C	2C	2C	-	-
Max charging current	-	-	-	60 A	72 A
Max discharge current	-	-	-	200 A	216 A
Resistance (mΩ):	≤ 0,6 mΩ	≤ 0,5 mΩ	≤ 0,5 mΩ	≤ 1 mΩ	≤ 0,6 mΩ
Cycle life (0.3C Charge-discharge, 80% DOD)	-	-	-	3000 (@1C)	2000
Charge working temperature range	-	-	-	0° to 45°C	0° to 45°C
Discharge working temperature range	-	-	-	-20° to 55°C	-20° to 55°C

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# OVERVIEW



	LIT/Q3-60NMC	LIT/Q3-84NMC	LIT/Q3-140NMC
Layout/Terminals			
Nominal Voltage	3,7V	3,7V	3,7V
Nominal Capacity	60Ah	84Ah	140Ah
Dimensions LxWxH	71 x 75 x 147 mm	97 x 75 x 147 mm	97 x 74 x 245
Weight	1,38 kg	1,9 kg	3,21 kg
Continuous Discharging Current (C)	2C	2C	2C
Resistance (mΩ):	≤ 2 mΩ	≤ 2 mΩ	≤ 2 mΩ



	LIT/M3-12NMC	LIT/M3-14NMC	LIT/M3-16NMC	LIT/M3-37NMC
Layout/Terminals				
Nominal Voltage	3,7V	3,7V	3,7V	3,7V
Nominal Capacity	12Ah	14Ah	16Ah	37Ah
Dimensions LxWxH	65 x 22 x 106 mm	65 x 22 x 106 mm	65 x 22 x 106 mm	148 x 26,5 x 94,5 mm
Weight	0,33 kg	0,33 kg	0,33 kg	0,75 kg
Continuous Discharging Current (C)	1C (12A)	1C (14A)	1C (16A)	1C (37A)
Resistance (mΩ):	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ	≤ 1 mΩ
Standard Charge-discharge current (1C,A)	12A	14A	16A	37A
Cycle life (0,3C charge-discharge, 100% DOD)	> 1500	> 1500	> 1500	> 1500
Charge working temperature range:	0° to 45°C	0° to 45°C	0° to 45°C	0° to 45°C
Discharge working temperature range	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C