

	LBC 512-10XTR	LBC 512-15XTR	LBC 512-20XTR	LBC 524-5XTR	LBC 524-10XTR
Software version	V1.04	V1.05	V1.05	V1.04	V1.05
INPUT					
Input voltage	180 - 264VAC, 50/60Hz				
Power Factor Corrector	-	Yes		-	Yes
Efficiency	Max. 92%				
OUTPUT					
Output voltage nominal	12Vdc			24Vdc	
Ripple	+/- 0,2Volt			+/- 0,4Volt	
Charge current	10 Amp. +/- 0,2Amp.	15 Amp. +/- 0,4Amp.	20 Amp. +/- 0,5Amp.	5 Amp. +/- 0,2Amp.	10 Amp. +/- 0,2Amp.
Consumption (@ full load)	160 Watt	240 Watt	340 Watt	160Watt	340 Watt
Consumption 'stand by' modus	0,65Watt				
Charge characteristic	IUoUoe / IUlaoUoe				
Charge settings lead battery	14,2/13,8 Volt 14,2/15,0/13,8 Volt 14,4/13,5 Volt ¹ 14,4/16,0/13,5 Volt 14,6/13,5 Volt 14,6/16,0/13,5 Volt 14,8/13,8 Volt 14,8/15,6/13,8 Volt			28,4/27,6 Volt 28,4/30,0/27,6 Volt 28,8/27,0 Volt ¹ 28,8/32,0/27,0 Volt 29,2/27,0 Volt 29,2/32,0/27,0 Volt 29,6/27,6 Volt 29,6/31,2/27,6 Volt	
Charge settings LiFePO4	14,4/14,4Volt	14,4/14,4 Volt Optional: ² 14,4/13,5 Volt 14,4/- Volt 14,6/14,6 Volt 14,6/13,5 Volt 14,6/- Volt		28,8/28,8 Volt	28,8/28,8 Volt Optional: ² 28,8/27,0 Volt 28,8 / - Volt 29,2/29,2 Volt 29,2/27,0 Volt 29,2/- Volt
Temperature compensated charging	Optional with sensor T-Sense1 ³				
Power supply voltage	13,5 Volt			27,0 Volt	
Start up voltage	1 Volt			2 Volt	
GENERAL					
Features and protections	Reverse polarisation, short circuit, temperature, temperaturesense monitoring, inputvoltage monitoring, softstart, voltage drop compensation, current limitation, battery voltage monitoring, charge time monitoring				
Battery connection	Fixed cable, 2,5mmq, 1,9m	Fixed cable, 6mmq, 1,9m		Fixed cable, 2,5mmq, 1,9m	
Ideal ambient temperature	0-25°C				
Cooling	Convection				
Galvanically isolated	Yes				
Housing	Anodized aluminium				
Protection degree	IP 66				
Weight	1,8 kg	2,2 kg		1,8 kg	2,2 kg
Dimensions housing	19,4x13,3x5,9 cm	22,4x13,3x5,9 cm		19,4x13,3x5,9 cm	22,4x13,3x5,9 cm

Notes: all above specifications are at 20°C and 230Vac input

Data may change without notice

All voltages mentioned have a tolerance of 0.1 Volt for 12Vdc chargers and 0.2Volt for 24Vdc chargers

¹ = factory setting

² = These additional LiFePO4 charging settings must be activated ex-factory

³ = only available ex-factory