

	LBC 512-10S	LBC 512-15S	LBC 512-20S	LBC 524-5S	LBC 524-10S
<i>Software version</i>	V1.04	V1.05	V1.05	V1.04	V1.05
INPUT					
Input voltage	180 - 264VAC, 50/60Hz				
Input fuse	T3,15A				
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				
Charge settings lead acid battery	14,2/13,8 Volt 14,4/13,5 Volt ¹ 14,6/13,5 Volt 14,8/13,8 Volt			28,4/27,6 Volt 28,8/27,0 Volt ¹ 29,2/27,0 Volt 29,6/27,6 Volt	
Charge settings LiFePO4	14,4/14,4Volt	14,4/14,4 Volt 14,4/13,5 Volt ² 14,4/- Volt ² 14,6/14,6 Volt ² 14,6/13,5 Volt ² 14,6/- Volt ²		28,8/28,8 Volt	28,8/28,8 Volt 28,8/27,0 Volt ² 28,8 / - Volt ² 29,2/29,2 Volt ² 29,2/27,0 Volt ² 29,2/- Volt ²
Compensation phase ³ available	Yes, ex factory	Yes ²		Yes, ex factory	Yes ²
Temperature compensated charging	Yes, with the optional sensor T-Sense 1				
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, inputvoltage monitoring, softstart, voltage drop compensation, current limitation, battery voltage monitoring, charge time monitoring				
Battery connection	Fixed cable, 2,5mmq, 1m	Fixed cable, 4mmq, 1m		Fixed cable, 2,5mmq, 1m	
Ideal ambient temperature	0-25°C				
Cooling	Convection	Fan		Convection	Fan
Galvanically isolated	Yes				
Housing	Anodized aluminium				
Protection degree	IP 205				
Weight	1 kg	1,25 kg		1 kg	1,25 kg
Dimensions housing	20,4x13,3x5,9 cm	23,3x13,3x5,9 cm		20,4x13,3x5,9 cm	23,3x13,3x5,9 cm

Notes: all above specifications are at 25°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 24Volt chargers

¹ = factory setting

² = These additional charging settings can be activated via an internal dip switch

³ =extra charging phase for professional, heavily cyclical applications where the charging voltage increases to 15/16 Volt