

## Overview of Lumi-Con's Bike-Energy-Harvester

		USB-D	USB-P5	USB-P12	Condition / Note	
<b>USB-Output</b>					USB-TYP-A	
Output current	A	1	1	1	At 5V typ.	
Overload shut down current	A	1,2	1,2	1,2	Typ.	
<b>Dynamo-Input</b>						
Dynamo-Current (DC current into battery)	A	0,35/0,45	0,8/1	0,8/1	Typ./max, 18-30km/h	1
Dynamo-electrical power (into battery, typ./max.)	W	2,8/3,8	6,4/8,4	6,4/8,4	Voltage of battery: 8V/8,4V	2
Load time to load battery to 80%	h	7	3,1	3,1	typ., no output current	
<b>DC Input</b>		Power-Plug 5,5mm	USB- Micro	Power-Plug 5,5mm	Charger included	
Load current (current into battery, typ.)	A	0,4	0,5	1,5...2**		1
Load current (current out of charger, typ.)	A	0,4	1...1,5**	1,7		
Load power (into battery, typ.)	W	3,2	4	12	A a battery voltage of 8V	2
Specification of charger	V/A	12V/0,7A	5V/2A	12V/2A		
Load time to load battery to 80%	h	6	4	<1,5		
<b>Battery power</b>					2 cells with 4.2V each included	
Standard cells	Ah	2.5	2.5	2.5		
Standard cells – total power	Wh	21	21	21	A a battery voltage of 8,4V	
Extended cells	Ah	4	4	4		
Extended cells – total power	Wh	33,6	33,6	33,6	A a battery voltage of 8,4V	

All values are typical values for supplied chargers and cables.

1) Battery DC current, \*\* depending on battery voltage

2) Power into battery, max. battery voltage 8.4V

### USB-D

Good cost/performance ratio for medium requirements (e.g. for low power requirements of smartphones) and preferred overnight charging.

### USB-P5

Very high load currents from hub dynamo (up to 1A, at “normal” speeds >800mA) and medium load current from mains charger (5V/2A). Charging possible with available USB-charger or power packs (5V/2A, Lumi-Con guarantees function only with supplied charger).

### USB-P12

Very high load currents from hub dynamo (up to 1A, at “normal” speeds >800mA) and high load current from mains charger (12V/2A). Charging from mains within 1.5h to 80%.

### USB-H

Set for removable mounting, for all version available.

### USB-E

Higher battery capacity (2 x 4Ah), for all version available.

### Accessories

Dynamo connector (Shimano), power connector 5.5mm (with/without 1m cable), USB-cable, mounting material, replacement battery (see also Data sheet USB-Zube).

The information herein is given to describe certain components and shall not be considered as warranted characteristics.

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