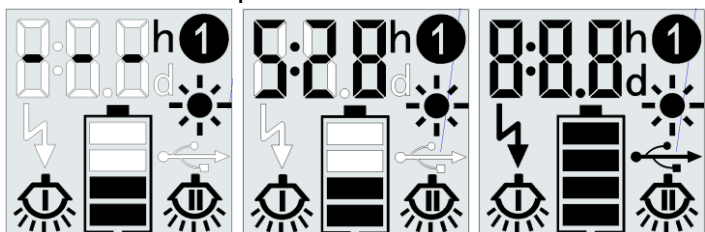


PS-Power Bricks-DC-Solar Home System

- Long life 3.2V Lithium (**LiFePO4**) rechargeable battery (**2000 full cycles**)
- Built-in solar PWM charger
- Rugged ABS housing for wall assembly
- Advanced **LCD** capabilities







- 2* 3.1V Lamp load outlet connectors with dimming options
- System integrated lamp switch for level settings on keyboard (for PSL 3.1/xxx)
- 1* 5V USB outlet for charging mobile phone and operating other 5V devices up to 1.5A
- **Pay As You Go** ready (can be activated on demand), **integrated Keypad** for token application
- One-year Datalogger built-in
- Options: 5V USB Sunflower Lamp (PSL 5/xxx) with 100 or 140lm with on/off touch switch
- Options: 3.1V Sunflower Lamp (PSL 3.1/xxx) 100 or 140lm (dimnable by PS integrated lamp switch)





The DC Power Brick enables basic solar home lighting applications. Available with various storage capacities for operating lamps and other standard USB 5V DC appliances. The built-in LCD allows the user to get detailed information on the remaining operation time of the connected loads until the battery is empty, Battery SOC, Charging and Discharging status. The built-in charging algorithm with single-cell monitoring ensures optimized operation of the long-life LiFePO4 battery under all environmental conditions.



DC Power Brick Kits based on 140lm Lamp:

Technical Data:	PS038-K001	PS076-K002	PS114-K003	PS114-K004
				
Nominal Battery Voltage:	3.2V	3.2V	3.2V	3.2V
Battery type:	LiFePO4 (LFP)	LiFePO4 (LFP)	LiFePO4 (LFP)	LiFePO4 (LFP)
Battery capacity:	3.8Ah	7.6Ah	11.4Ah	11.4Ah
Battery Energy Storage:	12Wh	24Wh	36Wh	36Wh
Load Output:	2 dimmable output, for Zimpertec PSL-3.1/xxx-y Lamp only	2 dimmable output, for Zimpertec PSL-3.1/xxx-y Lamp only	2 dimmable output, for Zimpertec PSL-3.1/xxx-y Lamp only	2 dimmable output, for Zimpertec PSL-3.1/xxx-y Lamp only
USB charging port:	1*USB-A: 5V/1.5A with optional USB wire adapter (USB-C, Mini-USB, Micro-USB)	1*USB-A: 5V/1.5A with optional USB wire adapter (USB-C, Mini-USB, Micro-USB)	1*USB-A: 5V/1.5A with optional USB wire adapter (USB-C, Mini-USB, Micro-USB)	1*USB-A: 5V/1.5A with optional USB wire adapter (USB-C, Mini-USB, Micro-USB)
Self-consumption:	idle mode: < 400uA / shipping mode: < 20uA / USB active: ca. 950uA (no load)			
Size:	126mm*90mm*56mm			
Protection:	IP42, overload-, short-circuit-, over-temperature-, surge-, reverse polarity protection			
Display:	LCD	LCD	LCD	LCD
PAYG Option:	yes	yes	yes	yes
Solar Panel included:	4Wp Equipped with 6m wire, VoC 5.4 V, Isc 1.06A	6Wp Equipped with 6m wire, VoC 5.4 V, Isc 1.6A	10Wp Equipped with 6m wire, VoC 6 V, Isc 2.4A	10Wp Equipped with 6m wire, VoC 6 V, Isc 2.4A
Lamp:	1*PSL-3.1/140-6	2* PSL-3.1/140-6	2* PSL-3.1/140-6	2* PSL-3.1/140-6 1* PSL-5/140-6S
Lamp Brightness:	140lm	140lm	140lm	140lm
Lamp wire length:	6m	6m	6m	6m
Full Battery Runtime: (all included lamps at 100% *)	11.1 h	9.4 h	14 h	10.2 h
Solar Runtime (all included lamps at 100%) at 5kWh/m ² /day *)	11.1 h	11.1 h	16.7 h	8.6 h
Operation ambient temperature -20 to +50°C; All values at 25°C ambient temperature. *) Charging Phones or other USB devices will reduce the lamps runtime! Product Warranty: 3 years on materials and manufacturing defects.				

DC Power Brick Kits based on 100lm Lamp:

Technical Data:	PS038-K005	PS076-K006	PS114-K007	PS114-K008
				
Nominal Battery Voltage:	3.2V	3.2V	3.2V	3.2V
Battery type:	LiFePO4 (LFP)	LiFePO4 (LFP)	LiFePO4 (LFP)	LiFePO4 (LFP)
Battery capacity:	3.8Ah	7.6Ah	11.4Ah	11.4Ah
Battery Energy Storage:	12Wh	24Wh	36Wh	36Wh
Load Output:	2 dimmable output, for Zimpertec PSL-3.1/xxx-y Lamp only	2 dimmable output, for Zimpertec PSL-3.1/xxx-y Lamp only	2 dimmable output, for Zimpertec PSL-3.1/xxx-y Lamp only	2 dimmable output, for Zimpertec PSL-3.1/xxx-y Lamp only
USB charging port:	1*USB-A: 5V/1.5A with optional USB wire adapter (USB-C, Mini-USB, Micro-USB)	5V/1.5A with optional USB wire adapter (USB-C, Mini-USB, Micro-USB)	5V/1.5A with optional USB wire adapter (USB-C, Mini-USB, Micro-USB)	5V/1.5A with optional USB wire adapter (USB-C, Mini-USB, Micro-USB)
Self-consumption:	idle mode: < 400uA / shipping mode: < 20uA / USB active: ca. 950uA (no load)			
Size:	126mm*90mm*56mm			
Protection:	IP42, overload-, short-circuit-, over-temperature-, surge-, reverse polarity protection			
Display:	LCD	LCD	LCD	LCD
PAYG Option:	yes	yes	yes	yes
Solar Panel included:	4Wp Equipped with 6m wire, VoC 5.4 V, Isc 1.06A	6Wp Equipped with 6m wire, VoC 5.4 V, Isc 1.6A	10Wp Equipped with 6m wire, VoC 6 V, Isc 2.4A	10Wp Equipped with 6m wire, VoC 6 V, Isc 2.4A
Lamp:	1* PSL-3.1/100-6	2* PSL-3.1/100-6	2* PSL-3.1/100-6	2*PSL-3.1/100-6 1*PSL-5/100-6S
Lamp Brightness:	1*100lm	2*100lm	2*100lm	3*100lm
Lamp wire length:	6m	6m	6m	6m
Full Battery Runtime:(all included lamps at 100%)	14.8	14.8h	22.2 h	13.8 h
Solar Runtime (all included lamps at 100%) at 5kWh/m ² /day *)	14.8h	12.4h	18.7h	11.6 h
Operation ambient temperature -20 to +50°C; All values at 25°C ambient temperature. *) Charging Phones or other USB devices will reduce the lamps runtime! Product Warranty: 3 years on materials and manufacturing defects.				