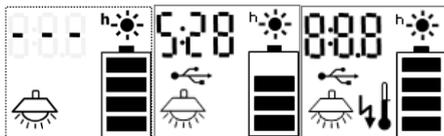


LSX-Litio-Solar Home System

- Long life Lithium (**LiFePO4**) rechargeable battery (**2000 full cycles**)
- Built in solar charger with **Special MPPT**, which allows parallel charging of several LSX by one Solar panel
- Rugged PC housing, portable
- **LCD** display with backlight



- LED warning signal
- Touch switch for LCD backlight on and low power activation
- 3pcs load outlet connectors
- 2 pcs 5V USB outlets for charging mobile phone
- **Pay As You Go** functionality built in (can be activated on demand), **integrated or external Keypad on request** for token application
- One year **Datalogger** built in

Litio Solar LSX is designed for Solar Home and portable power applications. Available with various storage capacity for operating lamps, small TVs and other standard 12VDC appliances. The built in LCD display allows the user to get detailed information on remaining operation time of the connected loads until the battery is empty, Battery SOC, Charging and Discharging status. The built in charging algorithm with its single cell monitoring ensures optimized operation of the long life LiFePO4 battery under all environmental conditions. The USB charging outlets allow many 5V USB devices to be recharged or operated. Systems with MPPT can be paralleled on Panel/Charging side and/or on Load side without problems for capacity increase or Charging stations. Zimpertec's input power limit hardware/software allows Solar panels to be connected, bigger than nominal power, for faster charging at low radiation or areas with lots of shading (Forest).

Technical Data:	LSX07	LSX10.5	LSX14	LSX17.5	LSX21
Nominal Voltage:	12.8V				
Battery type:	LIFEPO4 (LFP)				
Battery capacity:	7Ah	10.5Ah	14Ah	17.5Ah	21Ah
Charging current:	5A	5A	5A	5A	5A
Special MPPT function:	Solar Panel: Max 25Voc, no power limits, bigger solar panels can be connected for efficient charging at lower sunlight and several LS units can be connected to one panel for charging in parallel.				
Load current:	6A	6A	6A	6A	6A
BMS	Balancing, single cell monitoring, battery temperature monitoring				
Working temperature:	-20 ... +50°C				
USB outlet:	5V/1.5A				
Size:	240mm*183mm*126mm				
Protection:	IP22, overload-, short-circuit-, over-temperature-, surge-, reverse polarity protection				
Display:	LCD + LED				
Connector type:	Panel: 1 Barrel (5.5/2.5mm) - Load: 3 Barrel (4.75/1.7mm) – 2 USB: USB-A				
All values valid at 25°C					