

Application Areas:

- On grid / Off grid 24h monitoring back-up system for streets, parks and parking areas

Advantages of The System:

- Off-Grid App. Energy Supply directly from the Solar Panel (300W MPPT capable)
- On-Grid App. Energy Supply partially from Electricity and partially from the Sun Light
- Low and high temperature operability (-20°C ... +55°C)
- Autonomous operation being independent from power grid (Off-Grid App. no need for power cabling)
- Long service life more than 5 years with the use of LFP Batteries
- Lamp post positioning of the battery pack due the high gravimetric energy density of LFP technology
- More environmental friendly technology usage in the system for energy storage, compared to conventional the Lead Acid Battery (VRLA) technology

Critical Features of the LFP Back-up System:

- * LFP Battery Back-up System has got over charge and discharge protection
- * LFP Battery Back-up System has got RJ45-Ethernet, USB-A or RS485 communication interfaces
- * Std. DC Max output 100W / 24V and 50W / 48V.
- * Input for On-Grid Applications; 90-305 VAC, 3.3A, 47-63 Hz, PF >0.95



Output Power:	150 W (24-48VDC opt.)
Solar Panel Power:	200 - 300 Wp
Battery Capacity:	25,6 V / 50 Ah
Autonomy Time:	Min 15 hours
Charge Current Max:	0.2C (20A)
Discharge Current Max:	6A or max 20A (30sn)
Operation Temperature:	-20°C ... +55°C
Max Charge Voltage	29.2V
Battery Box:	Polyester Cabinet or Painted Metal Box
Weight:	35kg