

**JP Nelson** 

# NEW ENERGY SOLUTION

*LEAN TOWARDS ZERO EMISSION*



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CE



MODEL	Units	BESS-300	BESS-500	BESS-500/HD
<b>GENERAL TECHNICAL DATA</b>				
Rated power	KW	300	500	500
Rated energy storage capacity	kW/H	176.6	353.2	477
Peak Surge Current (30 Sec)	Amp	382.5	722	722
Rated voltage (50Hz) (1)	VAC	400	400	400
Operating temperature (2)	°C	-10~50	-10~50	-10~50
Sound power level	dB (A)	≤58	≤58	≤58
<b>BATTERY DATA</b>				
Battery type		LFP	LFP	LFP
<b>PERFORMANCE</b>				
Recharging time (@DoD%)	h	≥1.1	≥1.1	≥1.1
Cooling system		Liquid Cool	Liquid Cool	Air Cool
<b>DIMENSIONS AND WEIGHT</b>				
Dimensions (L x W x H)	mm	2438*2000*2400	3000*2200*2400	4500*2438*259
Container	Ft	8ft flat cube	10ft flat cube	15ft flat cube
Weight(reference)	kg	5200	8200	10300
Protection degree IP		IP54		
Corrosion protection level		C4 (Strong corrosive environment)		
Safety Aspect n Battery System Cert		CE / UL / IEC		

**TARIFF CONSERVATION:**

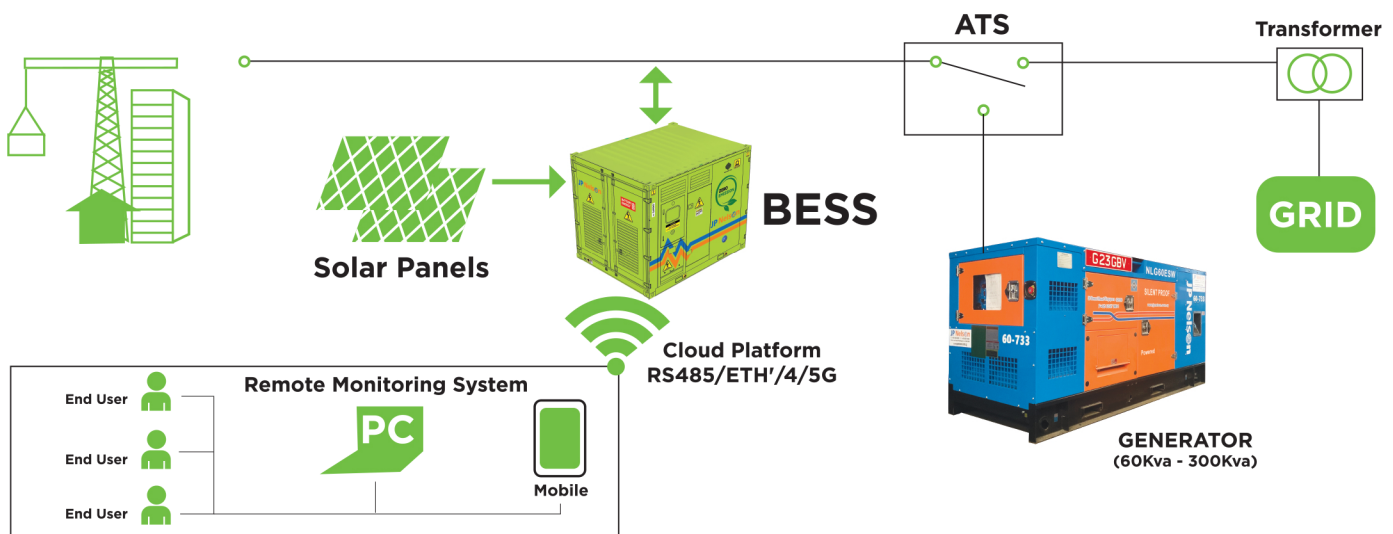
- Renewable Resource
- Energy Efficiency
- Economical Operation Cost

**ADVANCED SYSTEMS:**

- Remote Monitoring System
- Data Analytic

**GREEN ENERGY:**

- Zero Emission
- Environmentally Friendly
- Noiseless

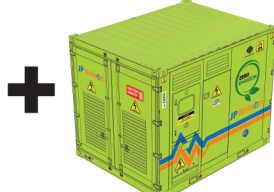


## Case Study @ Construction Site

(50ton Tower Crane)



JPNE Generator (60Kva to 300kva)



BESS 500 / BESS 500/HD

**60 KVA GENSET + 500kW BESS**

**↓74%**  
60kVA GENSET + 500kW Bess  
**Fuel & CO<sub>2</sub> Reduction Ratio**

**32 kW**  
Genset Average Output

**Genset 48 kW**

**65%**  
Genset Average Load

### 60Kva DIESEL Generator + BESS 500KW

60Kva Generator incorporated with BESS equal to Cost Efficiency. Operation on a 50-ton tower crane fuel consumption deflates, approximate at **57,720 litres per year**. In summary, per tower crane fuel savings approximate up to **\$78,499.20** based on the case study.

## Annual Potential Saving



154,689.6 Kg/CO<sub>2</sub>

57,720 Ltrs

### Diesel Generator

10 hours/day for 26 days with 65% of time running at low load.

	DAY	Month	Years
60 Kva	65 Ltrs	1690 Ltrs	20,280 Ltrs
400 Kva	250 Ltrs	6500 Ltrs	78,000 Ltrs

■ Diesel Price @ \$1.36 P/Ltrs