

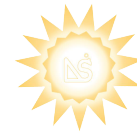


**Luster Solar**

# TECHNOLOGY

PRODUCT PRESENTATION

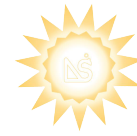
2021



## Catalogue

- 1 OTLVS(12.8V)  
12.8V200AH
- 2 OTLVS(25.6V)  
25.6V100AH
- 3 OTLVS(25.6V)  
25.6V200AH
- 4 OTLVS(51.2V)  
51.2V50AH
- 5 OTLVS(51.2V)  
51.2V100AH
- 6 OTLVS(Indoor)  
Cabint/Rack

- 7 OTHVS(51.2V)  
51.2V100AH
- 8 OTHVS(25.6V)  
25.6V100AH
- 9 OTHVS(25.6V)  
25.6V200AH
- 10 OTHVS(51.2V)  
51.2V50AH



# 1. OTLVS(12.8V)

*OTLVS12.8V 200AH - 2560WH*

## Model Presentation

Model: 12.8V, 200Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 14V~14.6V

Discharge Voltage: 10V~14.6V

Recommend Charge/Discharge Current: 100A

Design life: > 10years

Communication protocols: CAN, RS485

Safety Certificate: CE, TÜV, IEC62619, UN38.3, ROHS

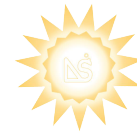


---

### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	400MM
	Height	133MM

---



## 2. OTLVS(25.6V)

*OTLVS25.6V 100AH -2560WH*

### Model Presentation

Model: 25.6V, 100Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 28V~29.2V

Discharge Voltage: 20V~29.2V

Recommend Charge/Discharge Current: 50A

Design life: > 10years

Communication protocols: CAN, RS485

Safety Certificate: CE, TÜV, IEC62619, UN38.3, ROHS

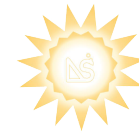


---

### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	400MM
	Height	133MM

---



### 3. OTLVS(25.6V)

*OTLVS25.6V 200AH -5120WH*

#### Model Presentation

Model: 25.6V, 200Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 28V~29.2V

Discharge Voltage: 20V~29.2V

Recommend Charge/Discharge Current: 100A

Design life: > 10years

Communication protocols: CAN, RS485

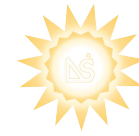
Safety Certificate: CE, TÜV, IEC62619, UN38.3,

ROHS



#### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	400MM
	Height	177.8MM



## 4. OTLVS(51.2V)

*OTLVS51.2V 50AH -2560WH*

### Model Presentation

Model: 51.2V,50Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 56V~58.4V

Discharge Voltage: 40V~58.4V

Recommend Charge/Discharge Current: 25A

Design life: >10years

Communication protocols: CAN, RS485

Safety Certificate: CE, TÜV,IEC62619, UN38.3,  
ROHS

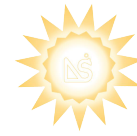


---

### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	400MM
	Height	133MM

---



## 5. OTLVS(51.2V)

*OTLVS51.2V 100AH -5120WH*

### Model Presentation

Model: 51.2V, 100Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 56V~58.4V

Discharge Voltage: 40V~58.4V

Recommend Charge/Discharge Current: 50A

Design life: > 10years

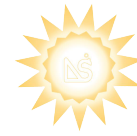
Communication protocols: CAN, RS485

Safety Certificate: CE, TÜV, IEC62619, UN38.3, ROHS



### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	400MM
	Height	177.8MM



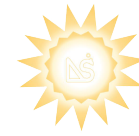
Luster Solar

## 6. OTLVS(Indoor)

*Installation-Cabinet/Rack*







## 7. OTHVS(25.6V)

*OTHVS25.6V 100AH -2560WH*

### Model Presentation

Model: 25.6V, 100Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 28V~29.2V

Discharge Voltage: 20V~29.2V

Recommend Charge/Discharge Current: 50A

Design life: >10years

Communication protocols: CAN, RS485

Safety Certificate: CE, TÜV, IEC62619, UN38.3,

ROHS

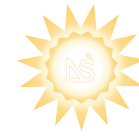


---

### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	500MM
	Height	177.8MM

---



## 8. OTHVS(25.6V)

*OTHVS25.6V 200AH -5120WH*

### Model Presentation

Model: 25.6V, 200Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 28V~29.2V

Discharge Voltage: 20V~29.2V

Recommend Charge/Discharge Current: 100A

Design life: >10years

Communication protocols: CAN, RS485

Safety Certificate: CE, TÜV, IEC62619, UN38.3,

ROHS

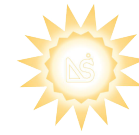


---

### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	500MM
	Height	177.8MM

---



## 9. OTHVS(51.2V)

*OTHVS51.2V 50AH -2560WH*

### Model Presentation

Model: 51.2V, 50Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 56V~58.4V

Discharge Voltage: 40V~58.4V

Recommend Charge/Discharge Current: 25A

Design life: >10years

Communication protocols: CAN, RS485

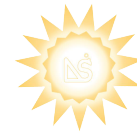
Safety Certificate: CE, TÜV, IEC62619, UN38.3,

ROHS



### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	500MM
	Height	177.8MM



## 10. OTHVS(51.2V)

*OTHVS51.2V 100AH -5120WH*

### Model Presentation

Model: 51.2V, 100Ah

DOD: 80%

Life cycle: 6000

Charge Voltage: 56V~58.4V

Discharge Voltage: 40V~58.4V

Recommend Charge/Discharge Current: 50A

Design life: >10years

Communication protocols: CAN, RS485

Safety Certificate: CE, TÜV, IEC62619, UN38.3,

ROHS

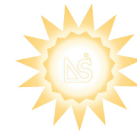


---

### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	500MM
	Height	177.8MM

---



## 11. HIGH VOLTAGE CONTROL MODULE

*OTHVCBCU-100V~800V-120A*

### Model Presentation

Model: Battery Packs Management System

High voltage control module is equipped with a complete set of BMS system/circuit breakers, contactors/fuse/shunt/DC-DC and other related electrical components.

CAN Defination: 1.CAN to inverter/PCS  
2.CAN to screen  
3.CAN to battery module

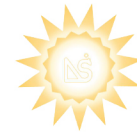


---

#### Mechanical Characteristics

Dimensions	Width	442MM
	Depth	500MM
	Height	177.8MM

---



## 12. HIGH VOLTAGE SYSTEM PRESENTATION

*OTHSYSTEM-256V-100AH*

*HIGH VOLTAGE CONTROL MODULE*



*OTHVS SERIES PACK*



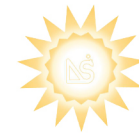
---

### Mechanical Characteristics

Dimensions	Width	600CM
	Depth	600CM
	Height	1650CM

---

Note: All OTHVS series battery pack can work with HIGH VOLTAGE CONTROL MODULE and used in high voltage energy storage system. U can use the pack in series to meet your system requirement.



Luster Solar

## 13. HIGH VOLTAGE SYSTEM PRESENTATION

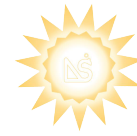
*OTHYSYSTEM-204.8V-100AH  
2048WH*



### Mechanical Characteristics

Dimensions	Width	500MM
	Depth	250MM
	Height	177MM

Note: All OTHVS series battery pack can work with HIGH VOLTAGE CONTROL MODULE and used in high voltage energy storage system. U can use the pack in series to meet your system requirement.

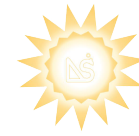


# 14. Compatible Inverter list

## *-Low voltage storage system*

Brand of Inverter	Inverter Type	Battery	Communication	Cable Supply	Battery Firmware Ver
SMA	SUNNY ISLAND 3.0M / 4.4M / 6.0H / 8.0H		CAN	RJ45	V1.1
Deye	SUN-3.6/5K-SG01LP1-EU		CAN	RJ45	V1.1
Deye	SUN-8K-SG01LP1-EU		CAN	RJ45	V1.1
SolaX	SK-SU,SK-TL,SK-BMU		CAN	RJ45	V1.1
Goodwe	GW-BP/SBP GW-ES/EM		CAN	RJ45	V1.1
IMEON	IMEON 3.6&9.12		CAN	RJ45	V1.1
Studer Innotec	Xtender 48V series VarioString serie vario Track 48V series		CAN	RJ45	V1.1
Selectronic	SPMC in 48V		CAN	RJ45	V1.1
Voltronic	Infisolar series 48V Axpert series 48V**		RS485(9600)	RJ45	V3.1
Sofar	ME3000SP,HYDseries		CAN	RJ45	V1.1
Solis	RHI-3K~5K-48ES		CAN	RJ45	V1.1
Lux Power	LXP Hybrid/ACS series		CAN	RJ45	V1.1
Sungrow	8H5K		CAN	RJ45	V1.1
Dellos	DLS/C series DLS AC series		CAN	RJ45	V1.1
SolarMax	ES series		CAN	RJ45	V1.1
Growat	SPH6000/SPF5000		CAN/RS485(9600)	RJ45	V1.1/V3.1
Kehua	SPH5000-BL		CAN	RJ45	V1.1
GMDE	SolDate 3700TL +BM024		RS485(9600)	RJ45	V3.1
Dowell	IPower		CAN	RJ45	V1.1
Must	PH、PV、EP18		CAN	RJ45	V1.2

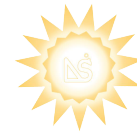




# 15. Compatible Inverter list

*-High voltage storage system*

Brand of Inverter	Inverter Type	Battery	Communication	Cable Supply	Battery Firmware Ver
Solax	X1/X3-Hybrid HV		CAN	RJ45	V5.1
Sematec	SMT-10K/30K/50K-TL-TH		CAN	RJ45	V4.5
Efacec	Battery Inverter		CAN	RJ45	V3.5
Ferroamp	EnergyHub		CAN	RJ45	V3.0
Sungrow	ISC series		CAN	RJ45	V3.2
Studer Innotec	PWS/PWC series		CAN	RJ45	V4.0
Kehua	BCS series		CAN	RJ45	V5.5



# 16. Project Presentation



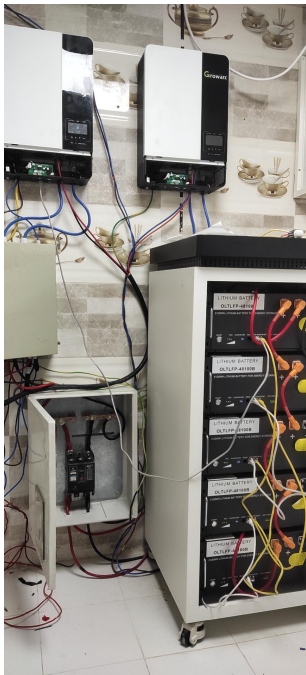
5KW Home Energy Storage System



384V 200AH Business Energy Storage System



45KWH Energy Storage System



10KW Home Energy Storage System



384V UPS Energy Storage System