

Product Parameters >

Demesilo

Industrial & Commercial Energy Storage System

Your Energy, Our Innovation.



www.demesilo.com



More Product Parameters

Demesilo (Changxing) New Energy Technology Co.,Ltd.

Room 522-523 Building B Transpotation Investment Group,
2598 Central Avenue, Taihu Street, Changxing County,
Huzhou City, Zhejiang Province, China

info@demesilo.com Phone: +86 15557209111

VERSION:20240930

Solar Solutions Supplier

OMS-HV-16S 51.2V 100Ah

High Voltage Rack Mode Energy Storage System

Support 16 units in Series

OMS-51.2*N/100AH Single Module Parameters

Nominal Voltage (V)	51.2*N
Nominal Capacity (KWH)	5.42*N
Usable Capacity (KWH)	5.42*N*90%
Battery Controller Name	BSM/120A
Battery Module Name	OMS
Battery Module Quantity	N
Battery Module Capacity(KWH)	5.12
Battery Module Voltage(V dc)	51.2
Battery Module Capacity (Ah)	100
Efficiency	96%
Depth of Discharge	RS485/RS232/CAN
Shelf Temperature	-20°C~60°C
Communicaiton	RS485/CAN
Cycle Life	>6000



- Small in size, saving space.
- Easy to install and can adapt to any installation angle.
- Highly compatible and adaptable, and has been compatible with various mainstream switching power supplies and UPS.
- Long cycle life, enabling diverse application modes such as peak shaving and valley filling and backup power in data centers.
- Adopting energy storage battery cells for a longer service life.
- Multiple cabinets can be connected in parallel to provide backup power/energy storage for loads up to the MW power level.

OMS-HV-16S

SERIES

51.2V 100Ah



Rack Model	OMS-15K	OMS-20K	OMS-25K	OMS-30K	OMS-35K	OMS-40K
Nominal Voltage	153.6V	204.8V	256.0V	307.2V	358.4V	409.6V
Nominal Capacity	100AH	100AH	100AH	100AH	100AH	100AH
Dimension mouldle (mm)	440*442*133mm*3	440*442*133mm*4	440*442*133mm*5	440*442*133mm*6	440*442*133mm*7	440*442*133mm*8
Dimension RACK(mm)	600*550*608mm	600*550*760mm	600*550*912mm	600*550*1004mm	600*550*1216mm	600*550*1368mm
Weight (kg)	170KG	220KG	270KG	320KG	370KG	420KG
Nominal Capacity(KWH)	15.36	20.48	25.6	30.72	35.84	40.96
Discharge Cut-Off Voltage(V)	132	176	220	264	308	352
Charge Cut-Off Voltage(V)	170.4	227.2	284	340.8	397.6	454.4
Recommend Charge/Discharge Current(A)	60	60	60	60	60	60
Max.Charge/Discharge working Current(A)	100	100	100	100	100	100
Communication	RS485/RS232/CAN					
Working Temperature	0°C~50°C Charge -10°C~50°C Disharge					
Transport or Storage Temperature Range	-20°C~60°C					
Certification	CE/IEC/UL/UN38.3/MSDS					
Design Life	15years+					
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times					
Series Function	Support 16 units in Series					
Certification	UN38.3/MSDS/ROHS					

OMS-HV-16S **SERIES** 5.12kWh 100Ah



Rack Model	OMS-46K	OMS-51K	OMS-56K	OMS-61K	OMS-66K	OMS-71K
Nominal Voltage	460.8V	512V	563.2V	614.4V	665.6V	716.8V
Nominal Capacity	100AH	100AH	100AH	100AH	100AH	100AH
Dimension moudle (mm)	440*442*133mm*9	440*442*133mm*10	440*442*133mm*11	440*442*133mm*12	440*442*133mm*13	440*442*133mm*14
Dimension RACK(mm)	600*550*1520mm	600*550*1672mm	600*550*1825mm	600*550*1004mm*2	600*550*1216mm*2	600*550*1216mm*2
Weight (kg)	470KG	520KG	570KG	620KG	670KG	720KG
Nominal Capacity(KWH)	46.08	51.2	56.32	61.44	66.56	71.68
Discharge Cut-Off Voltage(V)	396	440	484	528	572	616
Charge Cut-Off Voltage(V)	511.2	568	624.8	681.6	738.4	795.2
Recommend Charge/Discharge Current(A)	60	60	60	60	60	60
Max.Charge/Discharge working Current(A)	100	100	100	100	100	100
Communication	RS485/RS232/CAN					
Working Temperature	0°C~50°C Charge -10°C~50°C Disharge					
Transport or Storage Temperature Range	-20°C~60°C					
Certification	CE/IEC/UL/UN38.3/MSDS					
Design Life	15years+					
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times					
Series Function	Support 16 units in Series					
Certification	UN38.3/MSDS/ROHS					

OMS-GRS 51.2V 280Ah

High Voltage Rack Mode Energy Storage System

Support 16 units in Series

OMS-51.2*N/280AH Single Module Parameters

Nominal Voltage (V)	51.2*N
Nominal Capacity (KWH)	14.336*N
Usable Capacity (KWH)	14.336*N*90%
Battery Controller Name	BSM/120A
Battery Module Name	OMS
Battery Module Quantity	N
Battery Module Capacity(KWH)	5.12
Battery Module Voltage(V dc)	51.2
Battery Module Capacity (Ah)	280
Efficiency	96%
Depth of Discharge	RS485/RS232/CAN
Shelf Temperature	-20°C~60°C
Communicaiton	RS485/CAN

Cycle Life >6000



- Small in size, saving space.
- Easy to install and can adapt to any installation angle.
- Highly compatible and adaptable, and has been compatible with various mainstream switching power supplies and UPS.
- Long cycle life, enabling diverse application modes such as peak shaving and valley filling and backup power in data centers.
- Adopting energy storage battery cells for a longer service life.
- Multiple cabinets can be connected in parallel to provide backup power/energy storage for loads up to the MW power level.

OMS-GRS

SERIES

51.2V 280Ah

Rack Model	OMS-GRS153	OMS-GRS204	OMS-GRS256	OMS-GRS307	OMS-GRS358	OMS-GRS409
Nominal Voltage	153.6V	204.8V	256.0V	307.2V	358.4V	409.6V
Nominal Capacity	280AH	280AH	280AH	280AH	280AH	280AH
Dimension mouldle (mm)	483*245*792mm*3	483*245*792mm*4	483*245*792mm*5	483*245*792mm*6	483*245*792mm*7	483*245*792mm*8
Dimension RACK(mm)	575*800*1250mm	575*800*1530mm	575*800*1800mm	1080*800*1250mm	1080*800*1250mm	1080*800*1530mm
Weight (kg)	396KG	530KG	665KG	795KG	930KG	1060KG
Nominal Capacity(KWH)	43	57.3	71.6	86.01	100.3	114.6
Discharge Cut-Off Voltage(V)	132	176	220	264	308	352
Charge Cut-Off Voltage(V)	170.4	227.2	284	340.8	397.6	454.4
Recommend Charge/Discharge Current(A)	100	100	100	100	100	100
Max.Charge/Discharge working Current(A)	200	200	200	200	200	200
Communication	RS485/RS232/CAN					
Working Temperature	0°C~50°C Charge -10°C~50°C Discharge					
Transport or Storage Temperature Range	-20°C~60°C					
Certification	CE/IEC/UL/UN38.3/MSDS					
Design Life	15years+					
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times					
Series Function	Support 16 units in Series					
Certification	UN38.3/MSDS/ROHS					

OMS-GRS

SERIES

51.2V 280Ah

Rack Model	OMS-GRS460	OMS-GRS512	OMS-GRS563	OMS-GRS614	OMS-GRS665	OMS-GRS716
Nominal Voltage	460.8V	512V	563.2V	614.4V	665.6V	716.8V
Nominal Capacity	280AH	280AH	280AH	280AH	280AH	280AH
Dimension mouldle (mm)	483*245*792mm*9	483*245*792mm*10	483*245*792mm*11	483*245*792mm*12	483*245*792mm*13	483*245*792mm*14
Dimension RACK(mm)	1080*800*1530mm	1080*800*1800mm	1080*800*1800mm	1655*800*1530mm	1655*800*1530mm	1655*800*1530mm
Weight (kg)	1195KG	1327KG	1460KG	1593KG	1726KG	1860KG
Nominal Capacity(KWH)	129	143.3	157.6	172	186.3	200.7
Discharge Cut-Off Voltage(V)	396	440	484	528	572	616
Charge Cut-Off Voltage(V)	511.2	568	624.8	681.6	738.4	795.2
Recommend Charge/Discharge Current(A)	100	100	100	100	100	100
Max.Charge/Discharge working Current(A)	200	200	200	200	200	200
Communication	RS485/RS232/CAN					
Working Temperature	0°C~50°C Charge -10°C~50°C Discharge					
Transport or Storage Temperature Range	-20°C~60°C					
Certification	CE/IEC/UL/UN38.3/MSDS					
Design Life	15years+					
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times					
Series Function	Support 16 units in Series					
Certification	UN38.3/MSDS/ROHS					

Support 16 units in Series

OMS-100K HV 100kWh

Integration of energy storage System



► **Safer**

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long lifespan, high efficiency and high power density. Intelligent BMS, providing complete protection.

► **Reliable**

Support high discharge power. IP54, natural cooling, wide temperature range: -20°C to 55°C.

► **Flexible**

Modular design, easy to expand, suited to residential and commercial applications for increasing the self-consumption ratio.

► **Convenient**

Battery module auto networking, easy maintenance, support remote monitoring and upgrade, support USB drive upgrade the firmware.

OVS-200K HV 280Ah

Demesilo

Model	OVS-100K
Product	HV 200K
Nominal Voltage	358.4V
Nominal Capacity	280AH
Cabinet Size(mm)	1250*1245*2175
Weight(kg)	1260KG
Charge/discharge power MAX	140A
Cooling method	Air-cooled
Protection class	IP55
Type of firefighting	Aerosol

Battery Side	
Battery Types	51.2V-280AH
Nominal Capacity(KWh)	100KWh
Recommend Charge/Discharge Current(A)	100
Max.Charge/Discharge Current(A)	140
Communication	RS485/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/EC/UL/UN38.3/MSDS
Design Life	10years+
Cycle Life	(0.5C/0.5C-80% DoD)>6000 times
Cooling method	Air-cooled
Certification	UN38.3/MSDS/ROHS

AC Side	
Rating	50KW
Overloaded	110%
Rated AC Voltage	400V
Rated frequency	50/60Hz
Communication	Ethernet/Modbus/TCP/IP
Inverter Type	Deye/Solis/Megarevo/Other

Support 16 units in Series

OMS-200K HV 200kWh

Integration of energy storage System



► **Safer**

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long lifespan, high efficiency and high power density. Intelligent BMS, providing complete protection.

► **Reliable**

Support high discharge power. IP54, natural cooling, wide temperature range: -20°C to 55°C.

► **Flexible**

Modular design, easy to expand, suited to residential and commercial applications for increasing the self-consumption ratio.

► **Convenient**

Battery module auto networking, easy maintenance, support remote monitoring and upgrade, support USB drive upgrade the firmware.

OVS-200K HV 280Ah

Demesilo

Model	OVS-200K
Product	HV 200K
Nominal Voltage	716.8V
Nominal Capacity	280AH
Cabinet Size(mm)	1626*1245*2175
Weight(kg)	2200KG
Charge/discharge power MAX	140A
Cooling method	Air-cooled
Protection class	IP55
Type of firefighting	Aerosol

Battery Side	
Battery Types	51.2V-280AH
Nominal Capacity(KWh)	200KWh
Recommend Charge/Discharge Current(A)	100
Max.Charge/Discharge Current(A)	140
Communicaiton	RS485/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/EC/UL/UN38.3/MSDS
Design Life	10years+
Cycle Life	(0.5C/0.5C-80% DoD)>6000 times
Cooling method	Air-cooled
Certification	UN38.3/MSDS/ROHS

AC Side	
Rating	50KW/100KW
Overloaded	110%
Rated AC Voltage	400V
Rated frequency	50/60Hz
Communicaiton	Ethernet/Modbus/TCP/IP
Inverter Type	Deye/Solis/Megarevo/Other

Match most inverters on the market:

Demesilo

