Floor-mounted energy storage system

Data Sheet Residential BESS

Compatibility

Tier 1 Inverter Compatibility

Safety

Multi-protection from self developed BMS

Easy to Scale Up

Be workable to be parallel based on 48V

Efficient Power Cost

Long cycle life and superior performance

GYCX SOLAR

DW-20KW-ESS

PERFORMANCE SPECIFICATIONS	
Model	DW-20KW-ESS
Nominal Voltage	51.2V
Sell model/Configuration	3.2V 206Ah /16S2P
Capacity(Ah)	412AH
Rated Energy(kWh)	21.09KWH
Max.Charge/Discharge Current(A)	150A/150A
Voltage Range(Vdc)	44.8~57.6V
Scalability	Up to 6 parallel
Communication	RS232-PC,RS485(B)-BAT RS485(A)-Inverter,Canbus-Inverter
Cycle Life	≥6000Cycles@25℃，80%DOD
Warranty Life	10 Years (Cycle Life≥15Years(25℃))
MECHANICAL SPECIFICATIONS	
Weight(Net/Gross)(KG)	165kg
Dimension(W/D/H)(mm)	645*440*193
Installation Mode	On the ground
IP Grade	IP54
SECURITY AND CERTIFICATION	
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL9540
Protection	BMS,Breaker
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature(℃)	Charge 0℃~50℃；Discharge -10℃~-50℃
Altitude(m)	≤2000
Humidity	≤95%（Non-condensing）

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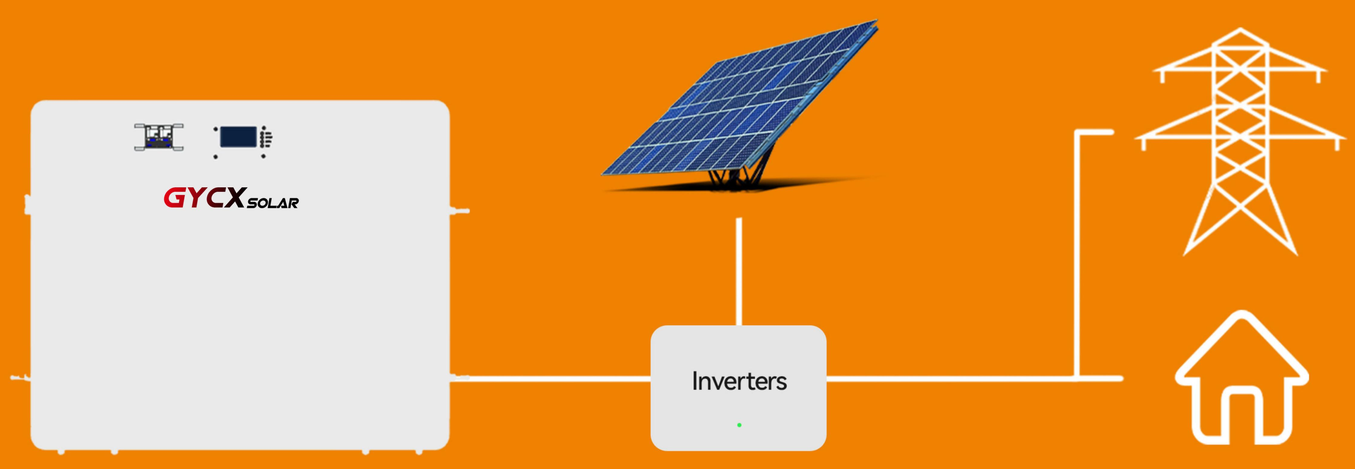

- High-security technology ensures stable and excellent performance
- Compatible with multiple inverters including Sungrow DEYE GOODWE Solis Growatt Voltronic
- It provides highly efficient energy solutions for household scenarios and small commercial scenarios