

51.2V sitting lithium battery series



>Product features

- High-capacity: Single unit provides large energy storage (e.g., 10kWh+) for high-demand households or off-grid use.
- Stable & Safe: Low-center-of-gravity design with anti-tip features; some models include wheels for mobility.
- Plug-and-Play: No installation required; place directly on floors (e.g., garages, basements).
- Scalable: Optional parallel connection for future capacity expansion.
- Weather-resistant: Wide operating temperature (-20°C~50°C) and high IP rating (e.g., IP55) for harsh conditions.

>Context of Use



residence



farm



base station

Technical Parameters				
Model	YY51280FS	YY51300FS	YY51320FS	YY51460FS
Total Energy(kWh)	14.336KWh	15.36KWh	16.384KWh	23.55KWh
Capacity(Ah)	280Ah	300Ah	320Ah	460Ah
Nominal Voltage(V)	51.2V	51.2V	51.2V	51.2V
Float Voltage(V)	58.4V	58.4V	58.4V	58.4V
Equalization Voltage(V)	56V	56V	56V	56V
Discharge Cutting Voltage(V)	44.8V	44.8V	44.8V	44.8V
Max. Charge & Discharge Current(A)	200A	200A	200A	200A
Max. C Rating	0.7C	0.65C	0.6C	0.6C
Dimension(mm)	790*520*265mm	840*500*250mm	682*385*912mm	385*682*1030mm
Net Weight(kg)	131.6kg	137.8kg	151.5kg	213.5kg
Max. Scalable	15 in parallel			
Communication Ports	CAN/RS485/RS232			
Communicated Inverter	"Goodwe/Victron/Sofar/Deye/Voltronic/Pylon/Luxpower Afore/Must/SakoSorotec/Sma/Solis/Phocos/Kstar/Mpp Solar/Growatt/Megarevo/Srne"			
Charging Temp Range(°C)	0-55°C			
Disharging Temp Range(°C)	- 10~55°C			
Cycle Lifes	≥6000 cycles @80%DOD /0.5C/25°C			
Warranty	5 years			
Certifications	CE,UN38.3,MSDS			
Function	WIFI, Touch Screen, Battery light, Display screen			