

410V High Voltage Cabinet Energy Storage Series



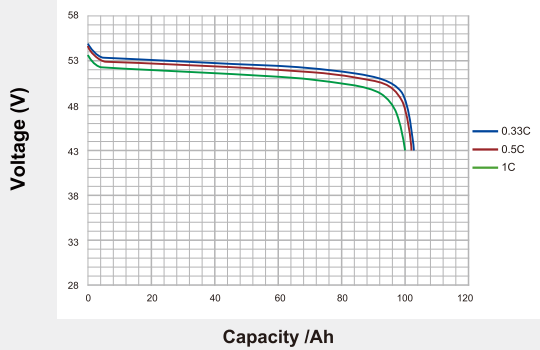
Product features

- High-voltage Efficiency: Supports high-voltage DC output (e.g.,200V~600V), reducing transmission loss and improving system efficiency by5%~10%.
- Industrial integration:19-inch rack standard, scalable parallel connection for data centers or commercial use.
- High Power Density: Delivers 20kWh~100kWh per rack, maximizing space utilization.
- Advanced Safety: Multi-layer BS protection (over-voltage/current/isolation)+ forced air cooling for high-voltage stability.
- Enterprise Management: Compatible with SNMP/Modbus for EMS integration and remote monitoring.

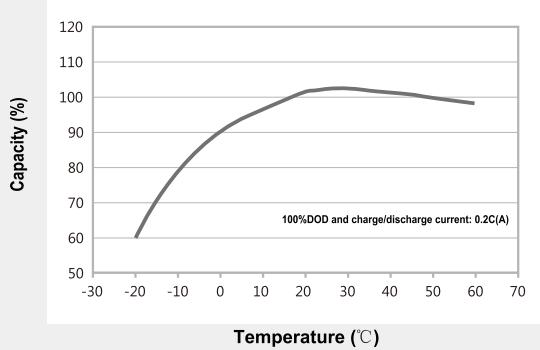
Model	YY614280HVR	YY614300HVR	YY614320HVR
Total Energy(kWh)	171.92kwh	184.2kwh	196.48kwh
Capacity(Ah)	280Ah	300Ah	320Ah
Nominal Voltage(V)	614.4V	614.4V	614.4V
Float Voltage(V)	700.8V	700.8V	700.8V
Equalization Voltage(V)	672V	672V	672V
Discharge Cutting Voltage(V)	537.6V	537.6V	537.6V
Max.Charge & Discharge Current(A)	100A	100A	100A
Max.C Rating	1C	1C	1C
Dimension(mm)	1996.5*1200*1200	1996.5*1200*1200	1996.5*1200*1468
Net Weight(kg)	1325kg	1520kg	1760kg
Max. Scalable	6 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		
Discharging 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		

Characteristic Curves

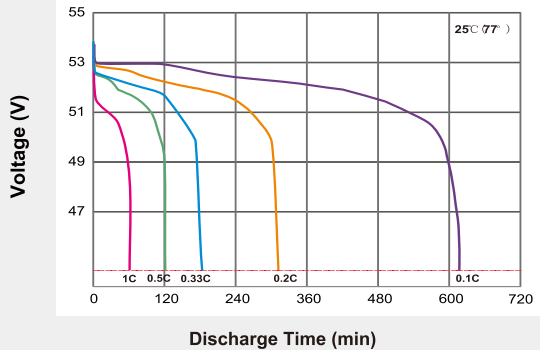
Discharge Capacity in relation to Discharge Rate



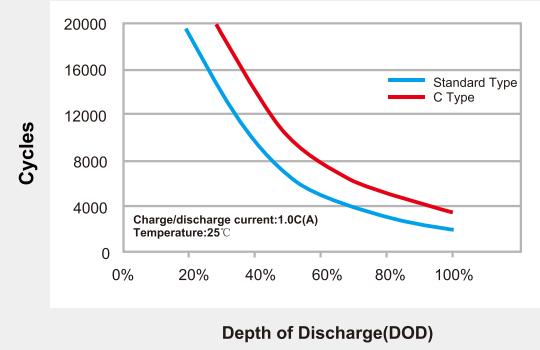
Temperature Effect in relation to Battery Capacity



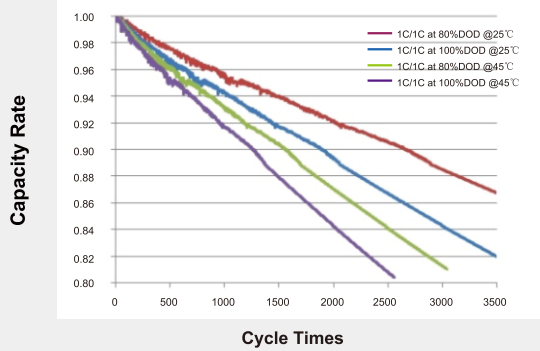
Discharge Time in relation to Discharge Rate



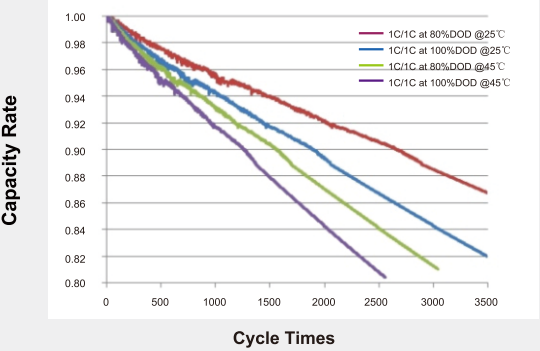
Depth of Discharge in relation to Cycle Life



Cycle Curves at different DOD & Temp of C Type



Cycle Curves at different DOD & Temp of C Type



verload protection	Temperature protection	Short circuit protection	Batteries to protect
The overcharge protection	Put protection	Over current protection	Over voltage protectionO

MA AC CNAS UN38.3 CE CQC

This product meets the requirements of GB/T31486-2015GB/T31485-2015 standard