

# 51.2V WALL ENERGY

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LEGACY CANADIAN PRODUCTS  
DESIGNED IN CANADA,,ASSEMBLED IN CHINA



 LAVAL, QUEBEC, CANADA

# 1 **PRODUCT ADVANTAGES**



**ENERGY COVERSION  
INTEGRATED**

**SAFE AND RELIABLE**

**HIGH POWER  
STORAGE**

**MAINTENCE FREE**

**FASHION DESIGN**

**SUPER FAST  
CHARGE**

**LOW INTERNAL  
RESISTANCE**

**ECO-FRIENDLY**

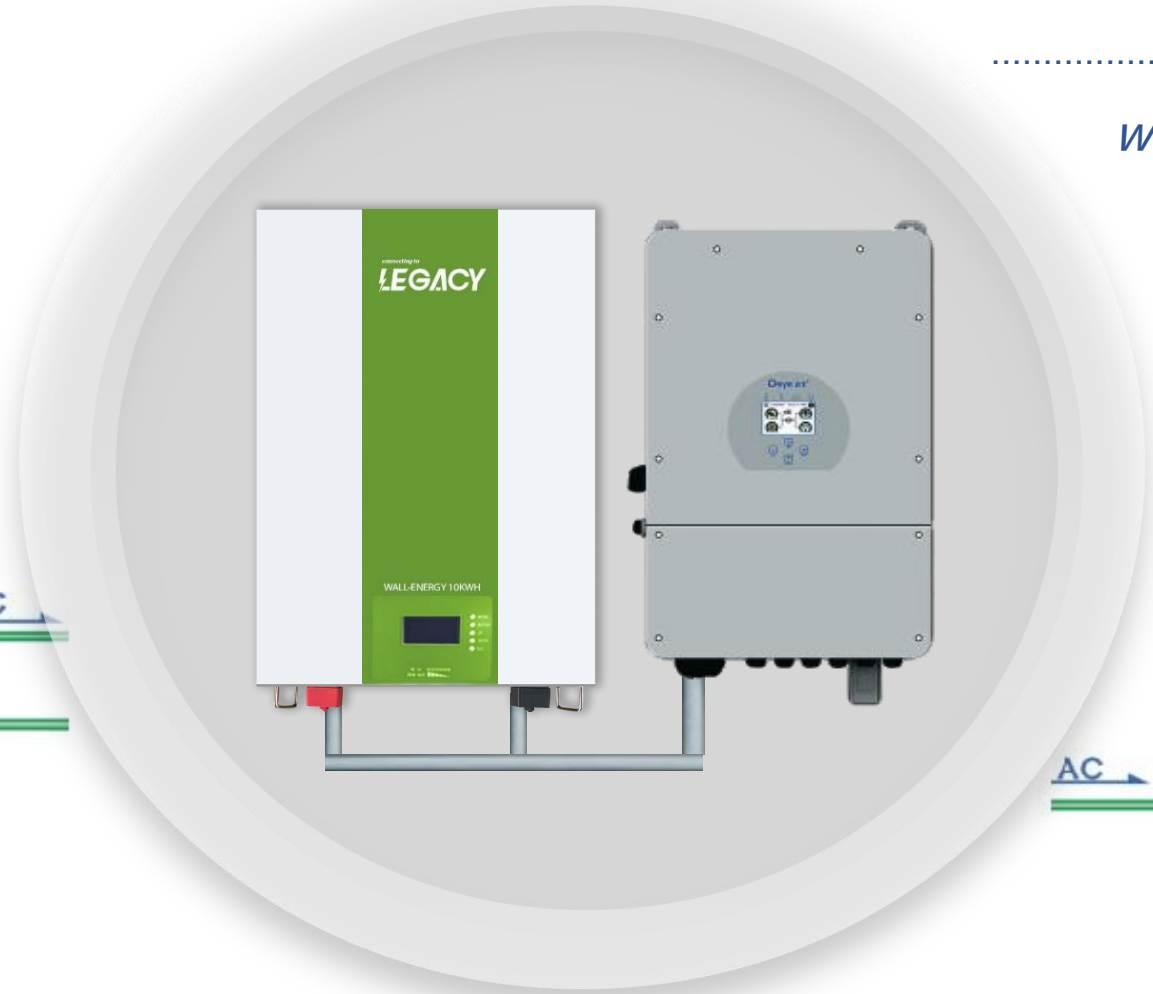
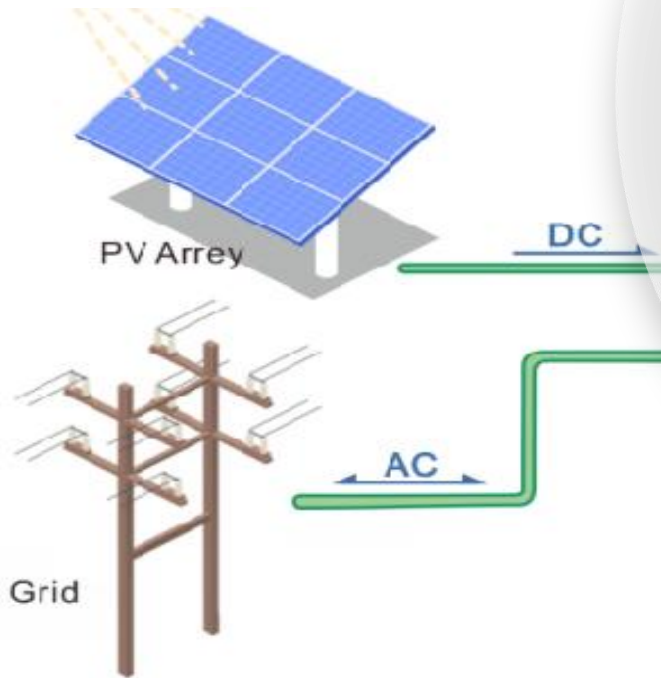
**PORTABILITY**

**SUPERIOR  
LONG LIFESPAN**



# 2

## WORKING DIAGRAM



# 3 51.2V WALL ENERGY IMAGE



485MM

**FRONT**



485MM

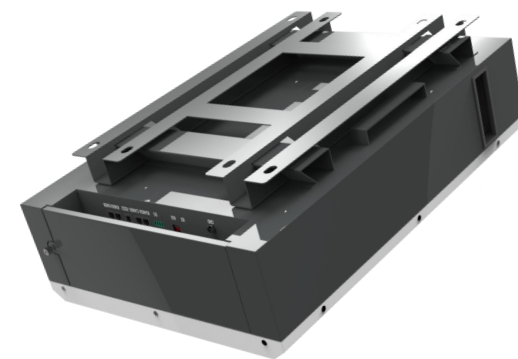
**BACK**

680 MM



190MM

**SIDE**



**BOTTOM**

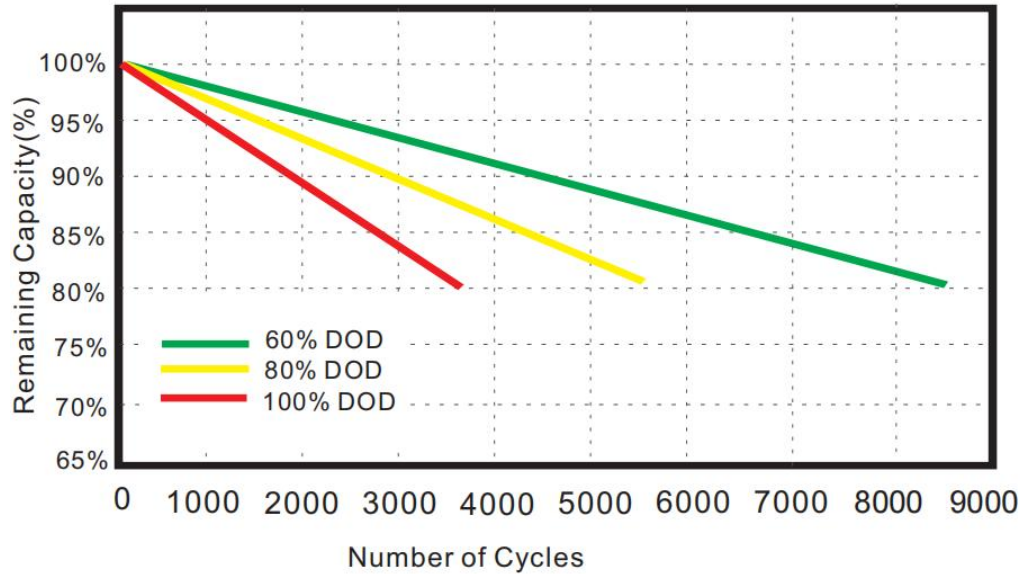
# 51.2V WALL ENERGY CHARACTERISTICS

MODEL	LEGACY-5000W	LEGACY-7500W	LEGACY-10000W
NOMINAL VOLTAGE	51.2V (16 Series)		
CAPACITY(AH)	100	150	200
ACUTAL ENERGY(WH)	5120	7680	10240
DIMENSION	680*485*190(220)(MM)		
WEIGHT (APPROX)	62Kg	79Kg	98Kg
INTERNAL RESISTANCE	≤30MΩ		
CYCLE LIFE	≥5500 cycles @ 80% DOD, 25°C, 0.5C ≥4500 cycles @ 80% DOD, 45°C, 0.5C		
DESIGN LIFE	≥15 Years		
CHARGE CUT-OFF VOLTAGE	56.0V±0.5V		
DISCHARGE CUT-OFF VOLTAGE	42V±0.2V		
MAX. CONTINUOUS DISCHARGE CURRENT	100A/150A (Alternative)		
CHARGE TEMPERATURE	0°C~60°C (Under 0°C extra heating mechanism)		
DISCHARGE TEMPERATURE	-20°C~60°C (Under 0°C work with reduced capacity)		
STORAGE TEMPERATURE	-40°C~55°C @60%±25% (Relative humidity)		
PROTOCOL (OPTIONAL)	PC-RS232/ RS485(B); Inverter-RS485(A)/CANBUS		
INTELLIGENT BMS	Detection of over charge/discharger, overcurrent or short cuit with temperture protection		

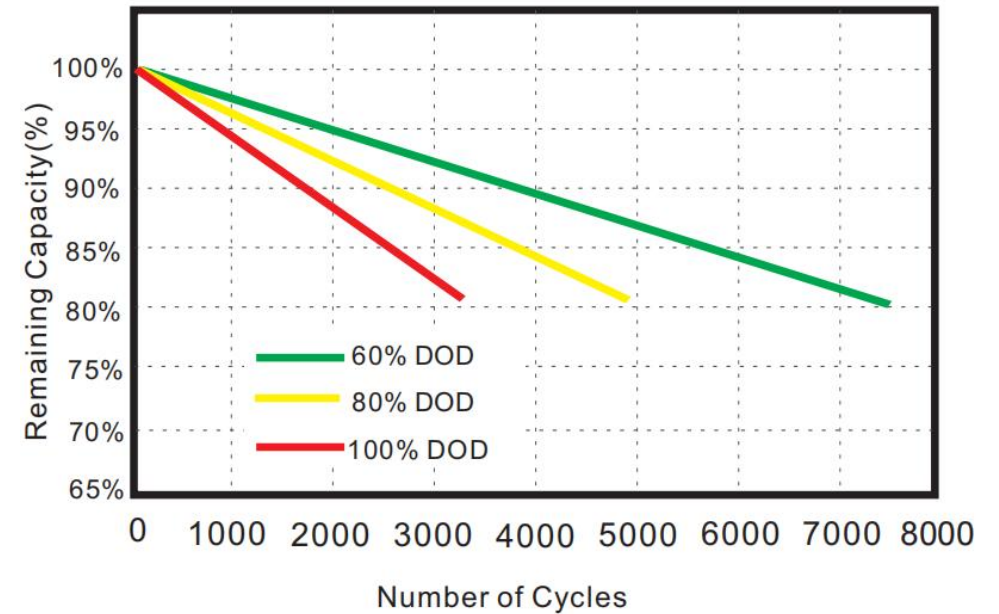


# 51.2V WALL ENERGY DISCHARGE DEPTH LIFE CURVES

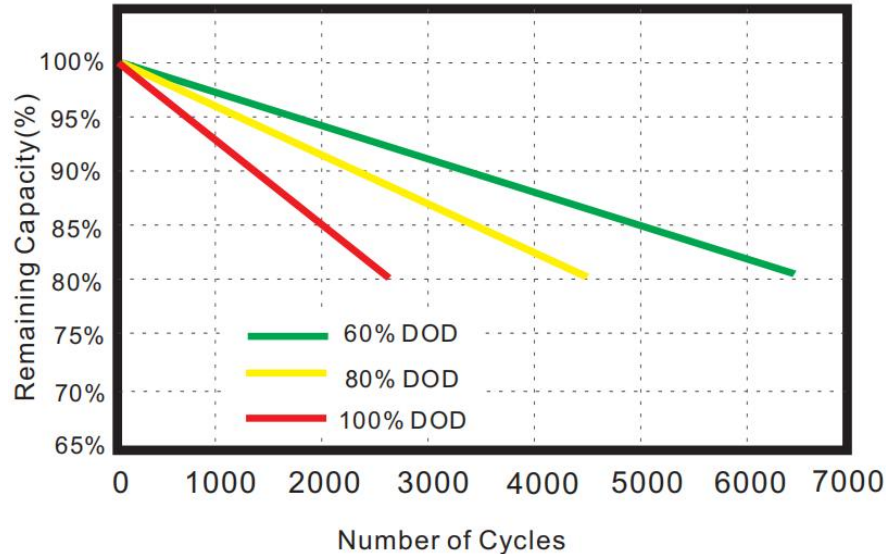
### 1. DIFFERENT DISCHARGE DEPTH LIFE CYCLE @25°C



### 2. DIFFERENT DISCHARGE DEPTH LIFE CYCLE @35°C



### 3. DIFFERENT DISCHARGE DEPTH LIFE CYCLE @45°C



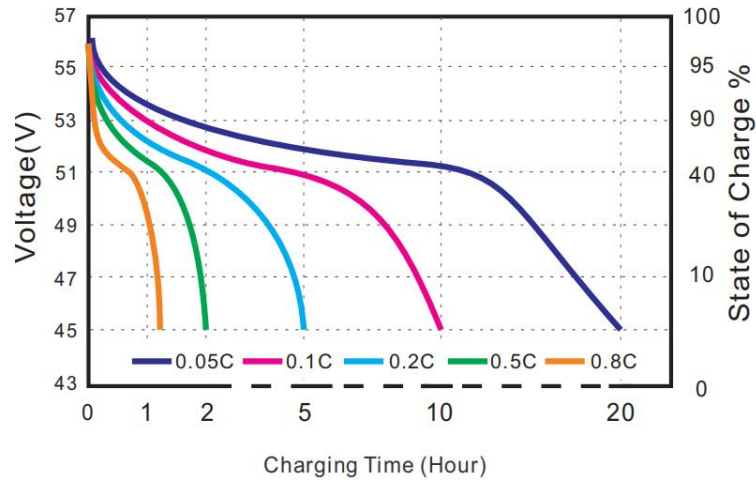
## DESIGN WORKING LIFE: 15 YERAS

TEMPERAUTE	60%DOD	80%DOD	100%DOD
25°C	8500	5500	3600
35°C	7500	5000	3100
45°C	6500	4500	2600

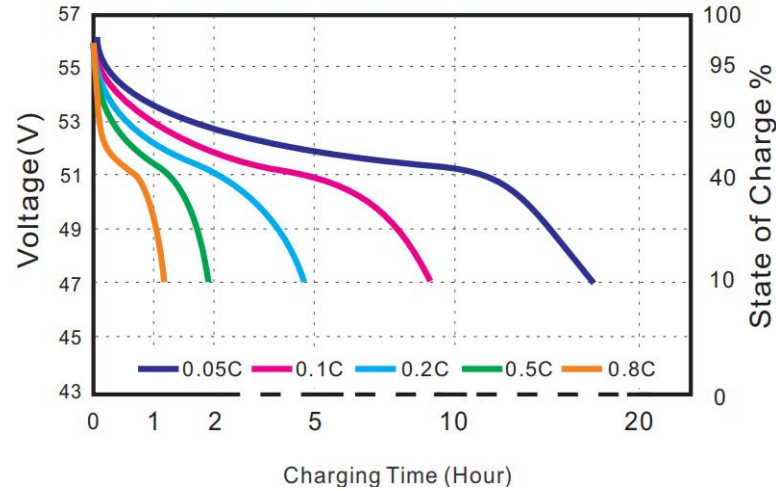
*\*The above datas are average values, and can be obtained within three charge/ discharge cycles.*

*\*These are not minimum values. Cell and battery designs or specifications are subject to modification without notice.*

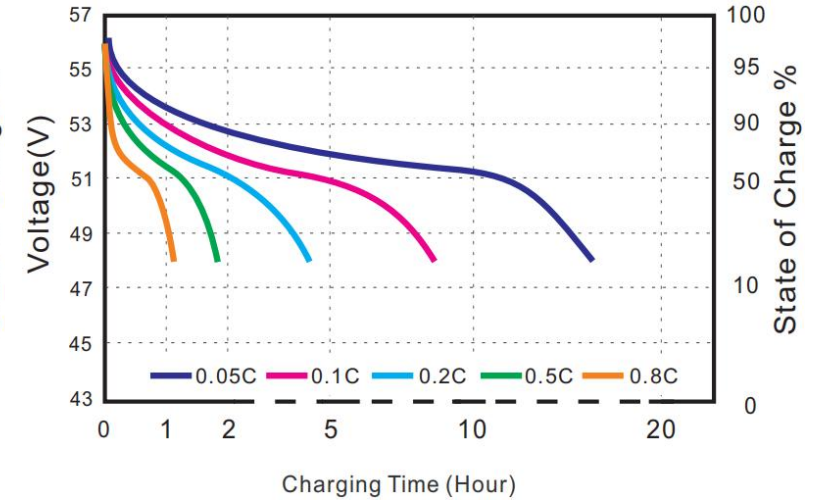
### 1. DIFFERENT RATE DISCHARGE CURVES@95% DOD



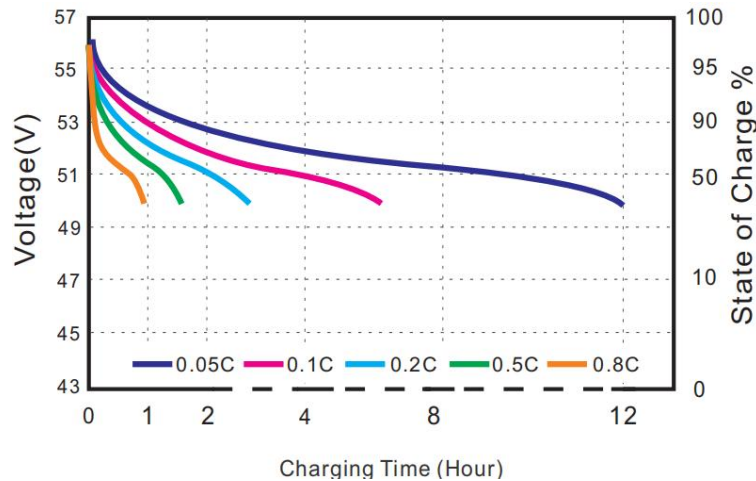
### 2. DIFFERENT RATE DISCHARGE CURVES@90% DOD



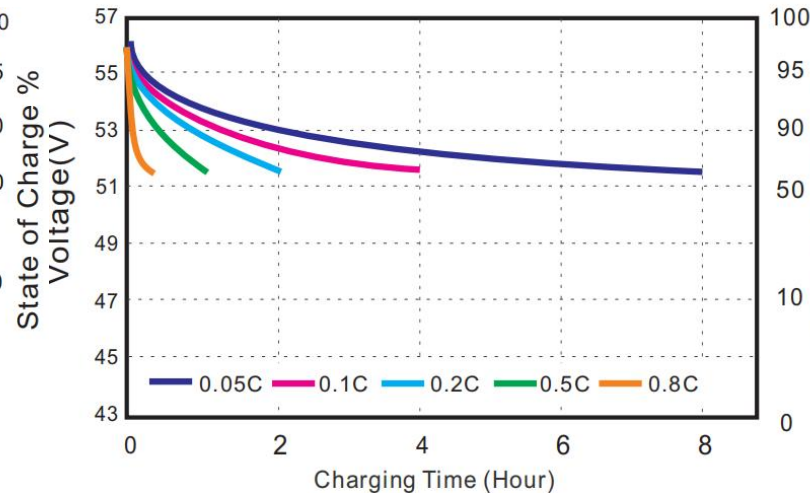
### 3. DIFFERENT RATE DISCHARGE CURVES@80% DOD



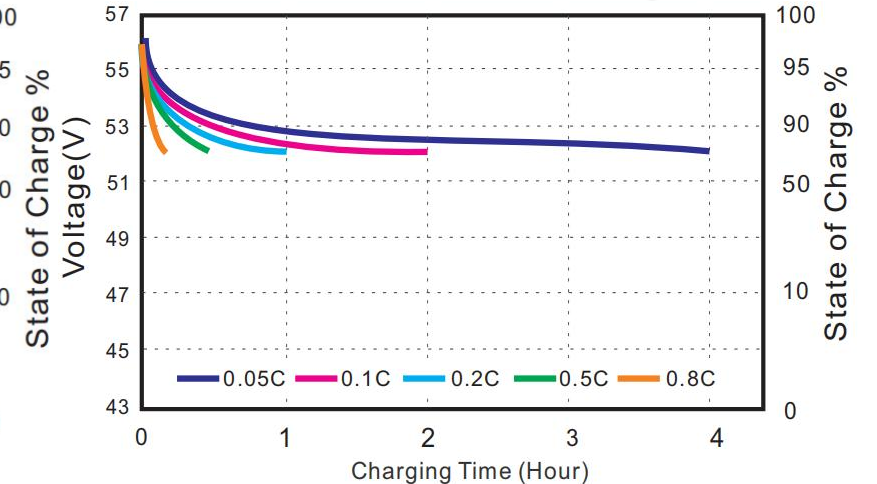
### 4. DIFFERENT RATE DISCHARGE CURVES@60% DOD



### 5. DIFFERENT RATE DISCHARGE CURVES@40% DOD



### 6. DIFFERENT RATE DISCHARGE CURVES@20% DOD

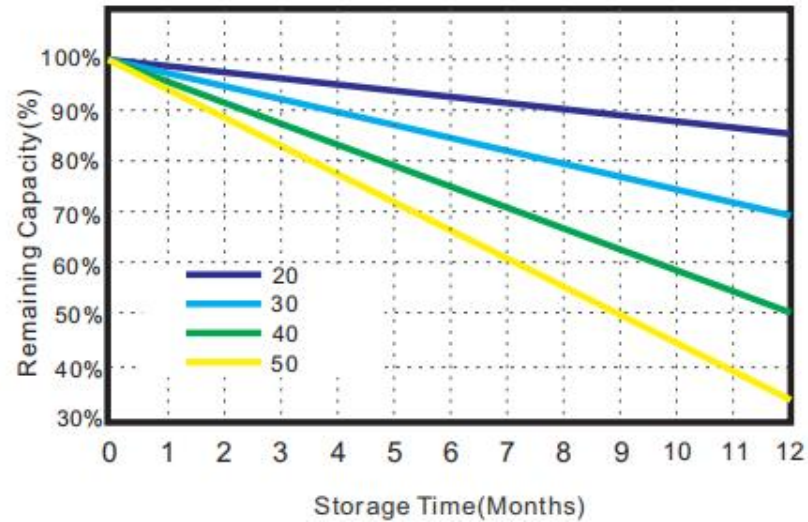


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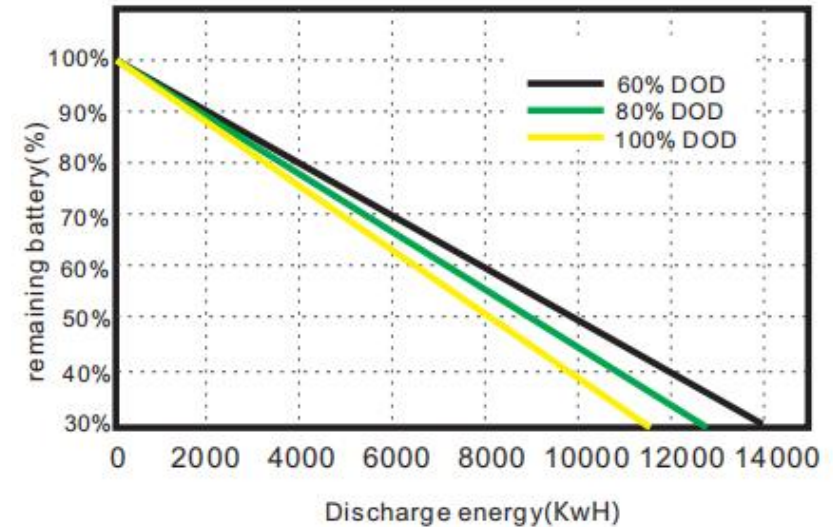
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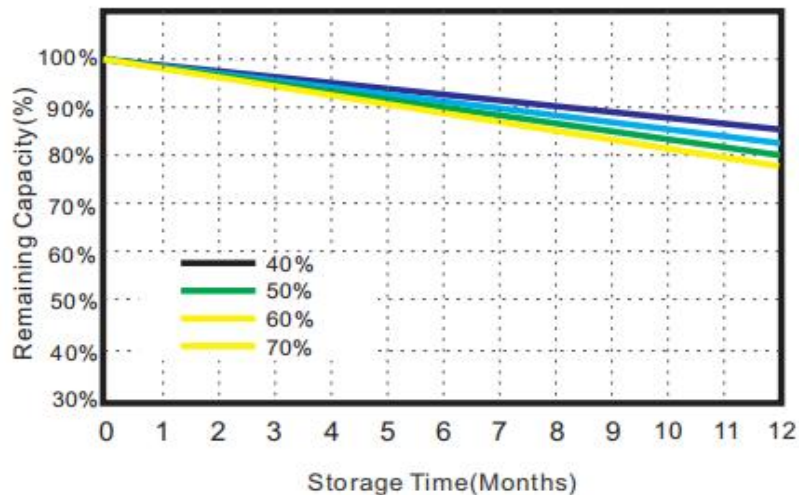
### 1. DIFFERENT TEMPERATURE SELF-DISCHARGE CURVES@RH 50%



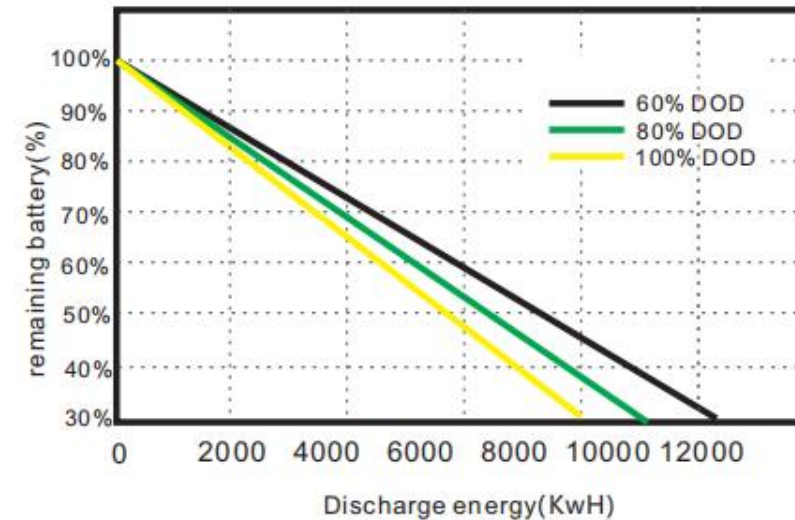
### 2. DIFFERENT DOD TOTAL ENERGY EXCHANGE @25°C 0.5°C



### 3. DIFFERENT HUMIDITY DISCHARGE CURVES@25°C



### 4. DIFFERENT DOD TOTAL ENERGY EXCHANGE @40°C 0.5°C



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## COMPATIBLE & HIGH PERFORMANCE WITH BELOW INVERTERS:



*Legacy Wall Energy Battery Storage provides 3 years warranty.*

*Legacy Wall Energy lithium battery storage is produced by high specification of production and tested one-by-one strictly before package.*

*Legacy Wall Energy Battery Storage can be programmed to work with specified inverter and customized to your exclusive requestments.*

*Welcome to contact us for back to back order.*

## COMPLIED CERTIFICATIONS:



***LET'S DEVELOP TRUST AND BUSINESS***

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 ***LAVAL, QUEBEC, CANADA***

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