

# 48V WALL ENERGY

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LEGACY CANADIAN PRODUCTS  
DESIGNED IN CANADA,,ASSEMBLED IN CHINA

connecting to  
**LEGACY**<sup>®</sup>

 LAVAL, QUEBEC, CANADA

# 1 **PRODUCT ADVANTAGES**



**ENERGY COVERSION  
INTEGRATED**

**SAFE AND RELIABLE**

**HIGH POWER  
STORAGE**

**FASHION DESIGN**

**MAINTENCE FREE**

**SUPER FAST  
CHARGE**

**ECO-FRIENDLY**

**LOW INTERNAL  
RESISTANCE**

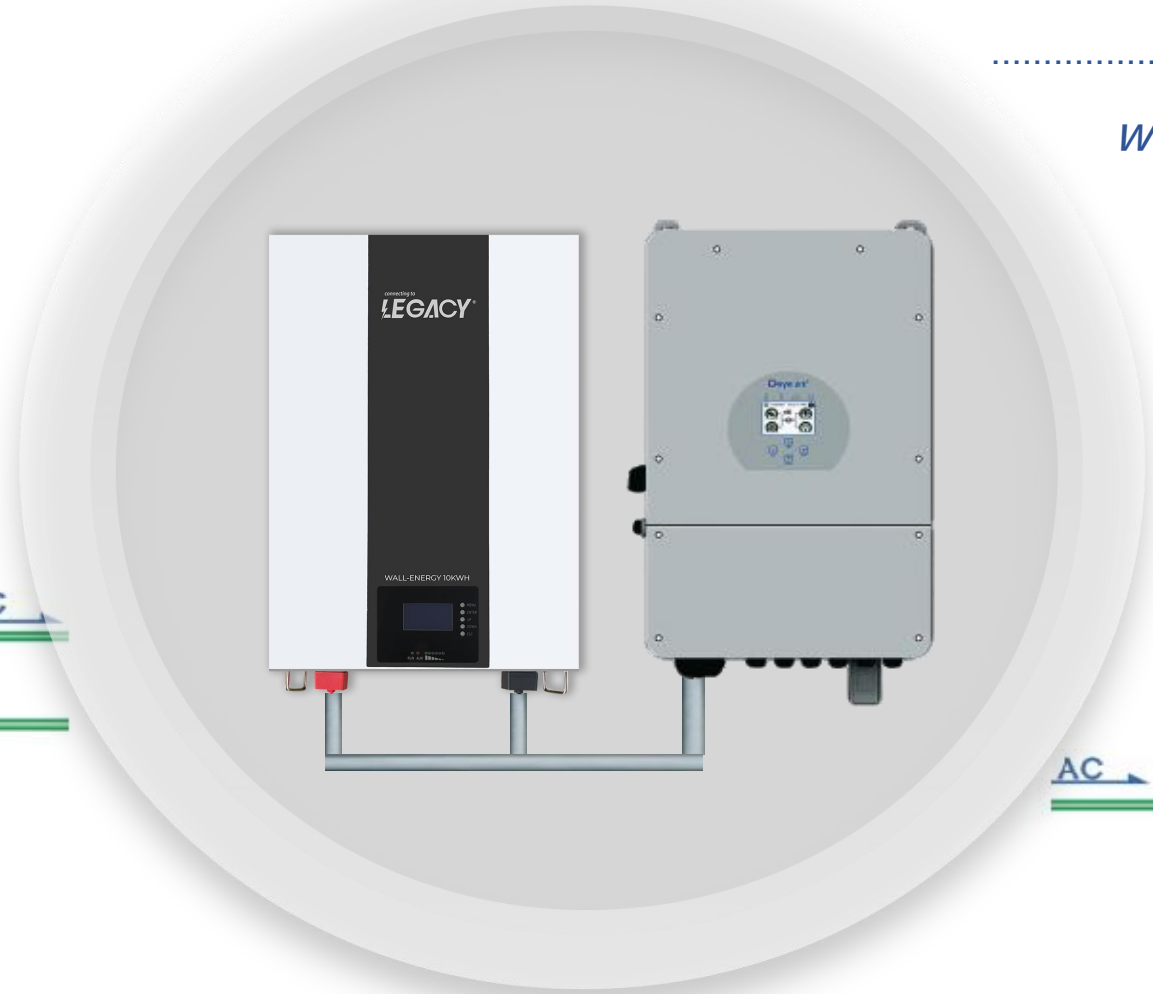
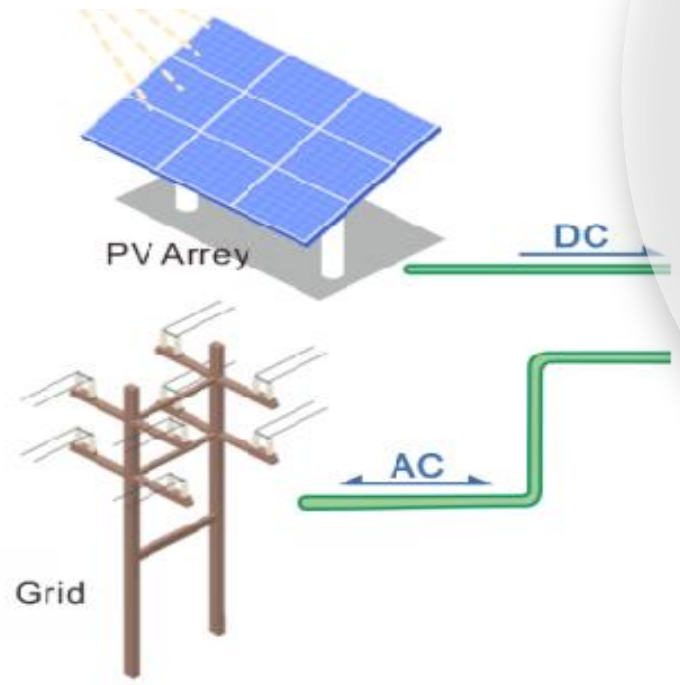
**PORTABILITY**

**SUPERIOR  
LONG LIFESPAN**



# 2

## WORKING DIAGRAM



# 3 48V WALL ENERGY IMAGE



485MM

**FRONT**



485MM

**BACK**

680 MM



190MM

**SIDE**



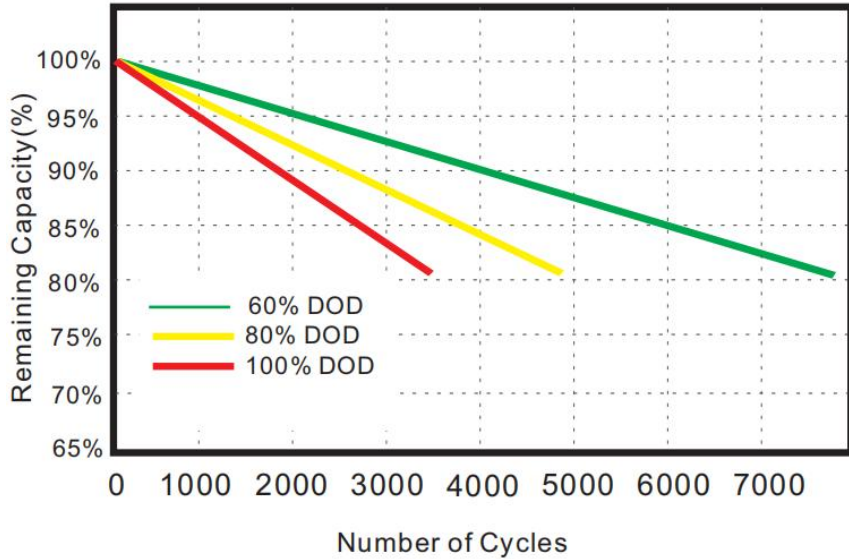
**BOTTOM**

# 48V WALL ENERGY CHARACTERISTICS

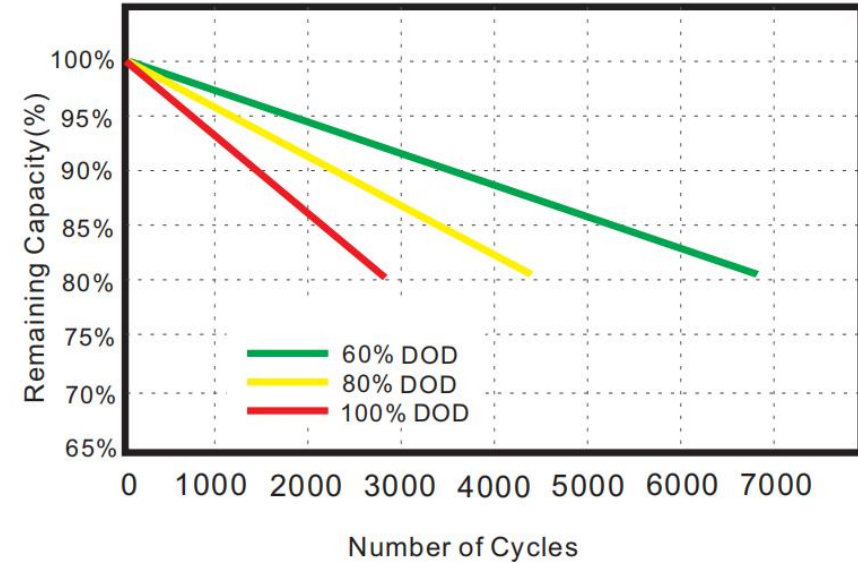
MODEL	LEGACY-5000W	LEGACY-7500W	LEGACY-10000W
NOMINAL VOLTAGE	48V (15 Series)		
CAPACITY(AH)	100	150	200
ACUTAL ENERGY(WH)	4800	7200	9600
DIMENSION	680*485*190(220)(MM)		
NET WEIGHT(KG)	58	76	95
INTERNAL RESISTANCE	≤60MΩ		
CYCLE LIFE	≥5000 cycles @ 80% DOD, 25°C, 0.5C ≥4000 cycles @ 80% DOD, 45°C, 0.5C		
DESIGN LIFE	≥15 Years		
CHARGE CUT-OFF VOLTAGE	53.0V±0.5V		
DISCHARGE CUT-OFF VOLTAGE	45V±0.2V		
MAX. CONTINUOUS DISCHARGE CURRENT	100A (Can choose)		
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		

# 48V WALL ENERGY DISCHARGE DEPTH LIFE CURVES

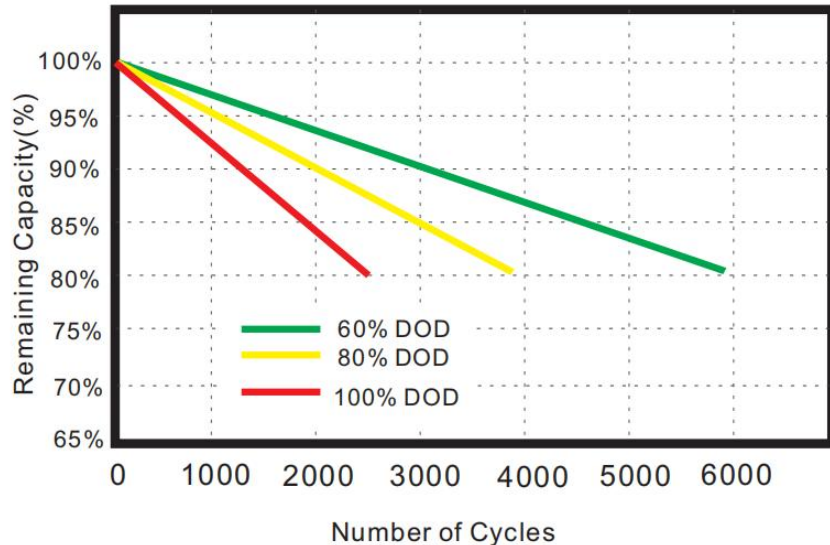
1. DIFFERENT DISCHARGE DEPTH LIFE CYCLE @25°C



2. DIFFERENT DISCHARGE DEPTH LIFE CYCLE @35°C



3. DIFFERENT DISCHARGE DEPTH LIFE CYCLE @45°C

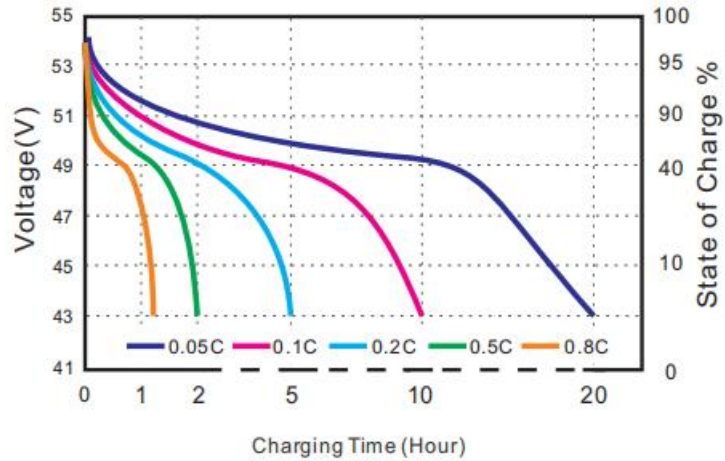


DESIGN WORKING LIFE: 15 YERAS			
TEMPERAUTE	60%DOD	80%DOD	100%DOD
25°C	8000	5000	3200
35°C	6950	4500	2800
45°C	6000	4000	2500

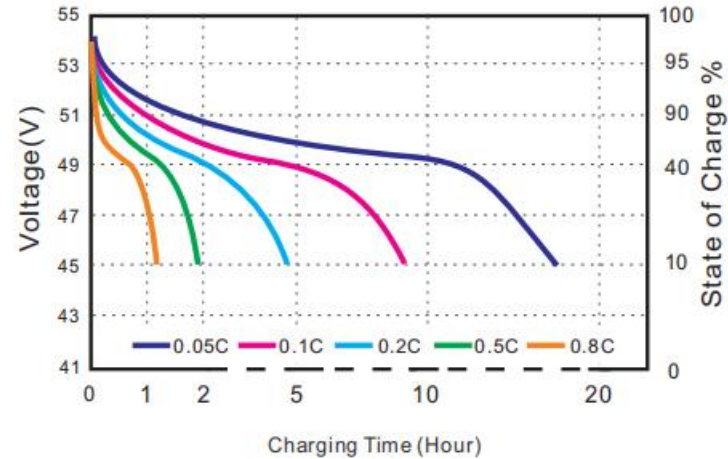
*\*The above datas are average values, and can be obtained within three charge/ discharge cycles.*

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

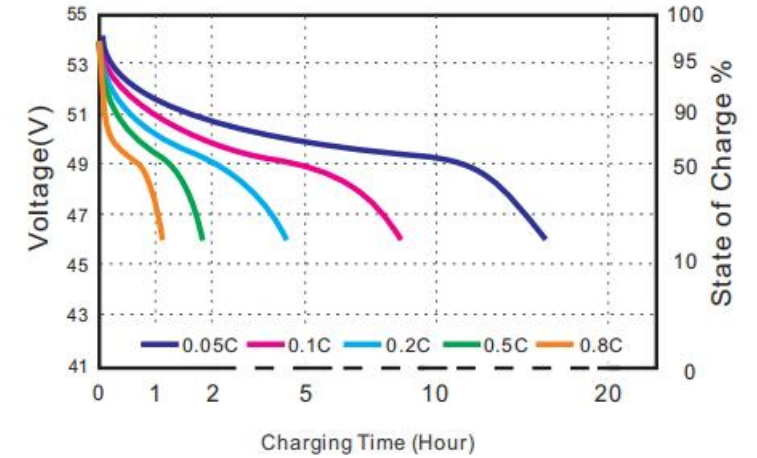
### 1. DIFFERENT RATE DISCHARGE CURVES@95% DOD



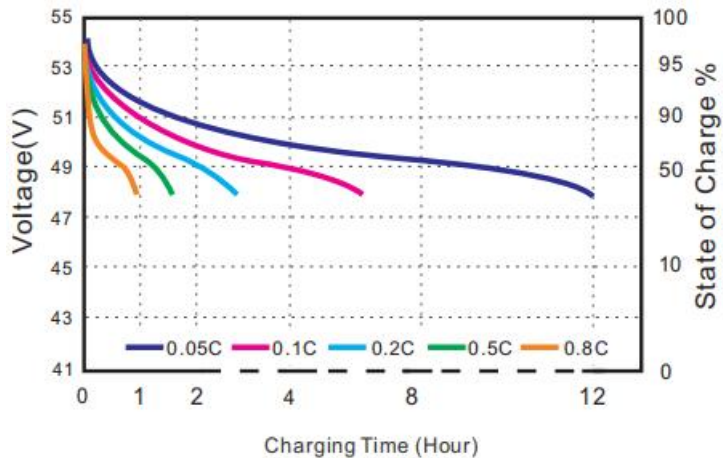
### 2. DIFFERENT RATE DISCHARGE CURVES@90% DOD



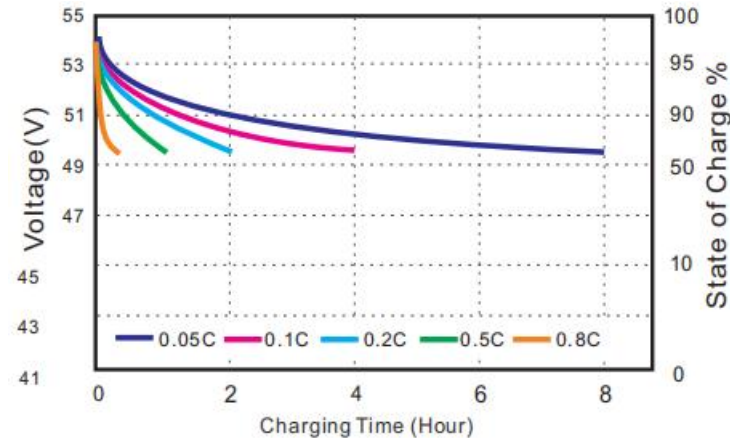
### 3. DIFFERENT RATE DISCHARGE CURVES@80% DOD



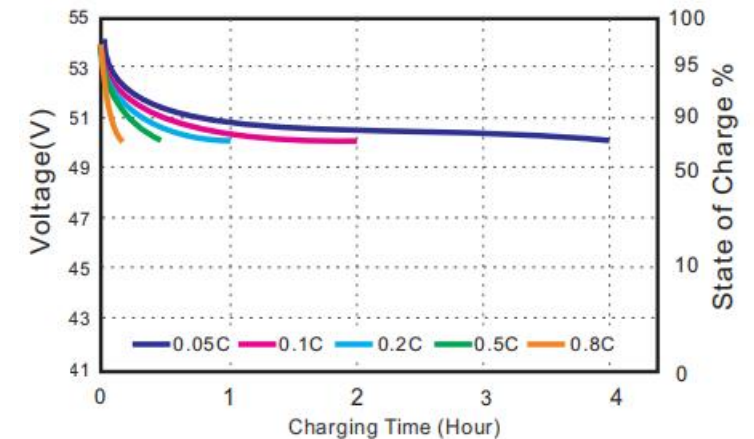
### 4. DIFFERENT RATE DISCHARGE CURVES@60% DOD



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



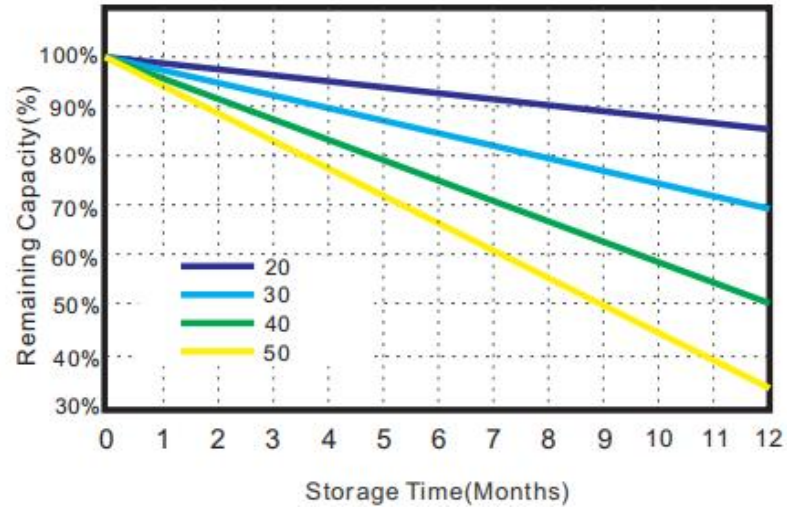
### 6. DIFFERENT RATE DISCHARGE CURVES@20% DOD



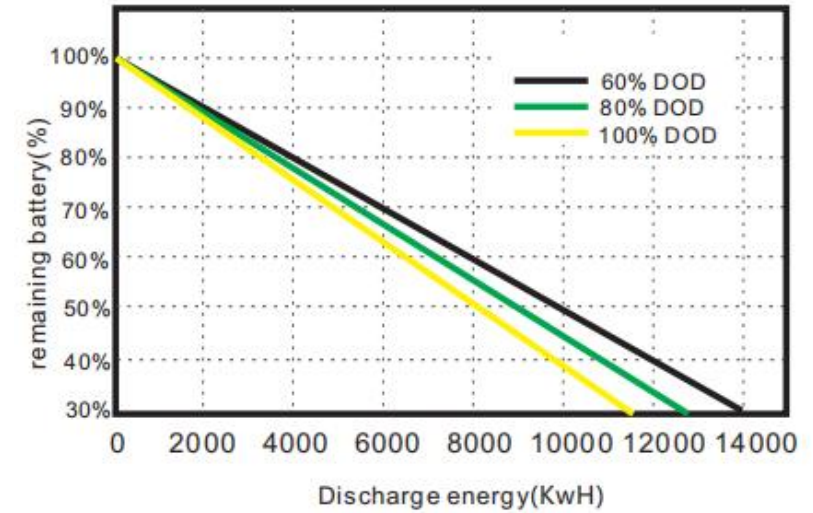
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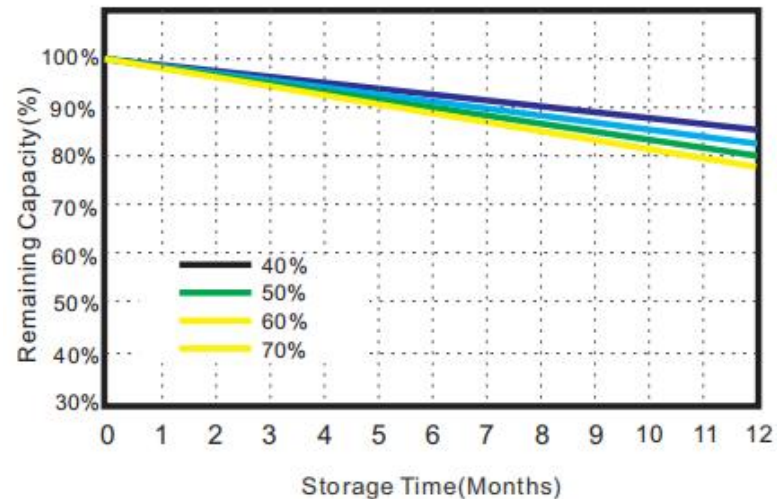
### 1. DIFFERENT TEMPERATURE SELF-DISCHARGE CURVES@RH 50%



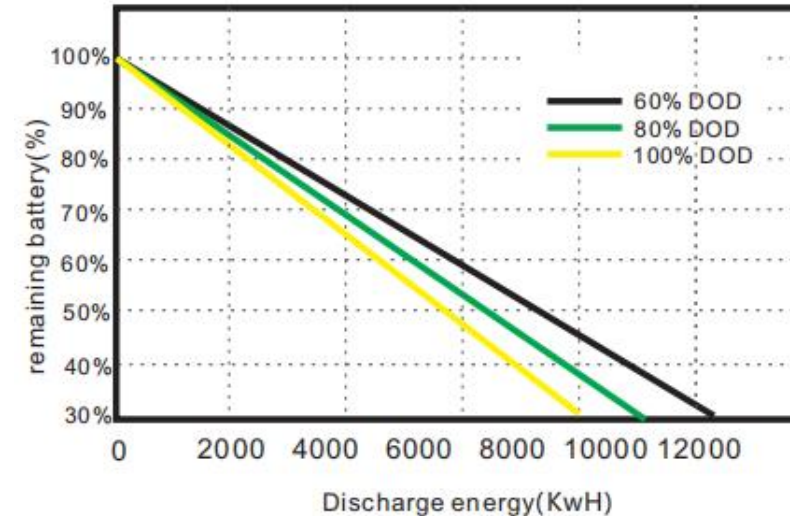
### 2. DIFFERENT DOD TOTAL ENERGY EXCHANGE @25°C 0.5°C



### 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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