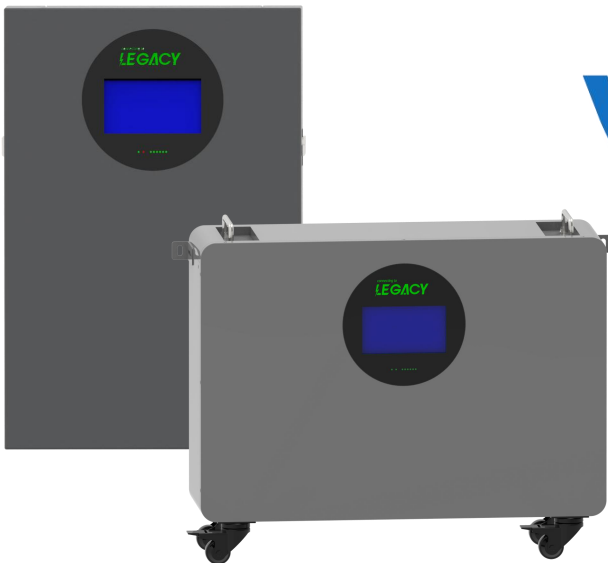




HOME POWER STORAGE

TH SERIES-TOUCH BLUETOOTH WIFI

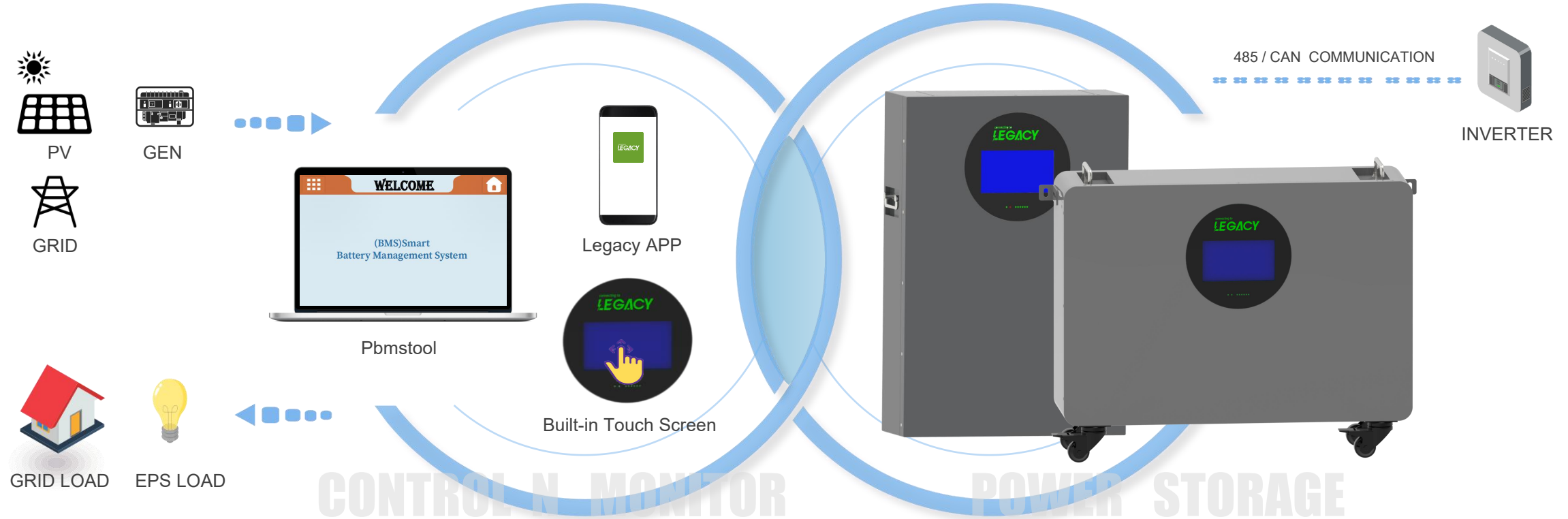
www.connectinglegacy.com



- 📍 Quebec, Canada
- 📍 Beirut, Lebanon
- 📍 Hongkong, China

WORKING DIAGRAM

connecting to
LEGACY



1

PERFECT PERFORMANCE

- > Legacy products are designed in Canada, assembled in China.
- > Support 1C fast charge and discharge.
- > Up to 15 units parallel.
- > Legacy battery achieves IEC/ UL standard.

2

BEST SERVICE

- > Legacy can monitor, control and upgrade by cloud.
- > Strong technical support.
- > High cooperation with client.
- > Legacy service never ends.

3

HIGH LEVEL OF SATFY

- > BMS & Breaker two Level to over heat, over voltage, and over current protection.
- > Legacy is produced by high specification of production and tested one-by-one strictly before package.

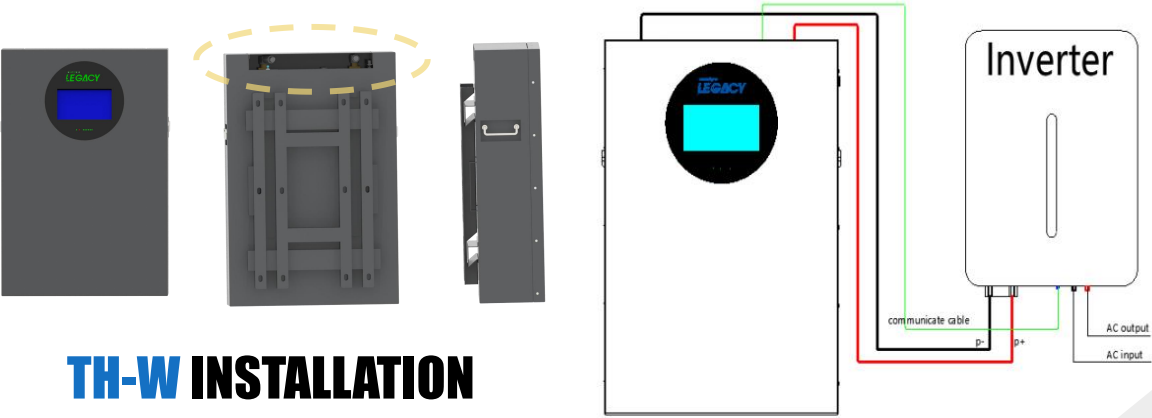
4

HIGH COMPATIBILITY

- > Compatible with most inverter brands on the market..
- > Legacy can be programmed to work with specified inverter and customized to your exclusive requestments.



TH-W N TH-M MECHANICAL PARAMETER



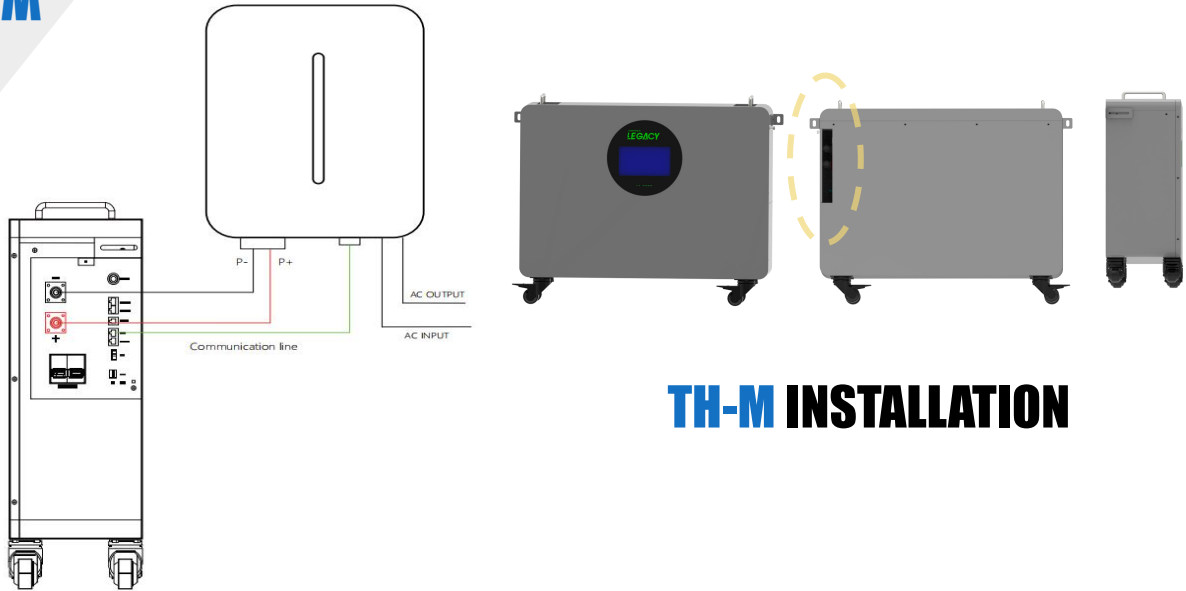
TH-W INSTALLATION

W

MODEL	TH-51100-M	TH-51205-M	TH-51280-M
Product Dimension(Mm)	612*370*190	622*520*227	766*520*221
Package Dimension(Mm)	712*535*298	722*695*328	866*695*328
Net weight(Kg)	55	92	115
Gross weight(Kg)	60	112	135
Material system	LiFePO4		
Case material / Type / IP class	Metal / Movable Wheel / IP20		

MODEL	TH-48100-W	TH-48200-W	TH-51100-W	TH-51200-W
Product Dimension(Mm)	580*390*185	690*485*226	580*390*185	690*485*226
Package Dimension(Mm)	660*450*240	850*570*285	660*450*240	850*570*285
Net weight(Kg)	42	85	44	88
Gross weight(Kg)	47	95	49	98
Material system	LiFePO4			
Case material / Type / IP class	Metal / Wall mounted / IP20(IP65 optional)			

M



TH-M INSTALLATION

TH-W CHARACTERISTICS



Characteristics / Model		TH-48100-W	TH-48200-W	TH-51100-W	TH-51200-W
Electrical Characteristics	Rate voltage(Vdc)	48	48	51.2	51.2
	Cell combination	15S1P	15S2P	16S1P	16S2P
	Rate capacity(AH)	100	200	100	200
	Energy storage(WH)	4800	9600	5120	10240
	Cycle life	25±2°C, 0.5C / 0.5C, EOL70% ≥ 6000			
Charge/Discharge Standard	Charge voltage(V)	52.5	52.5	56	56
	Max.charge current(A)	100	150 (200 optional)	100	150 (200 optional)
	Max.discharge current(A)	100	150 (200 optional)	100	150 (200 optional)
	Charge cut-off Voltage(Vdc)	40.8	40.8	43.2	43.2
	Discharge cut-off Voltage(Vdc)	54.75	54.75	58.4	58.4
Certification	Pack certification	UN38.3 / MSDS	CE / IEC / UL1973	CE / UN38.3 / MSDS	UN38.3 / MSDS
	Cell certification	UN38.3 / MSDS / CE / IEC62619 / UL1973 / UL2054 (A Class brand new cell)			
Communication	Protocol(Optional)	CAN / RS485 / RS232			
	Control and Monitor system	Bluetooth / Wifi / Wlan by built-in touch screen and Legacy APP			
Enivorment	Charge temperature	0°C ~ 50°C @ 60 ± 25% Relative Humidity			
	Discharge and storage temperature	-20°C ~ 50°C @ 60 ± 25% Relative Humidity			



TH-M CHARACTERISTICS

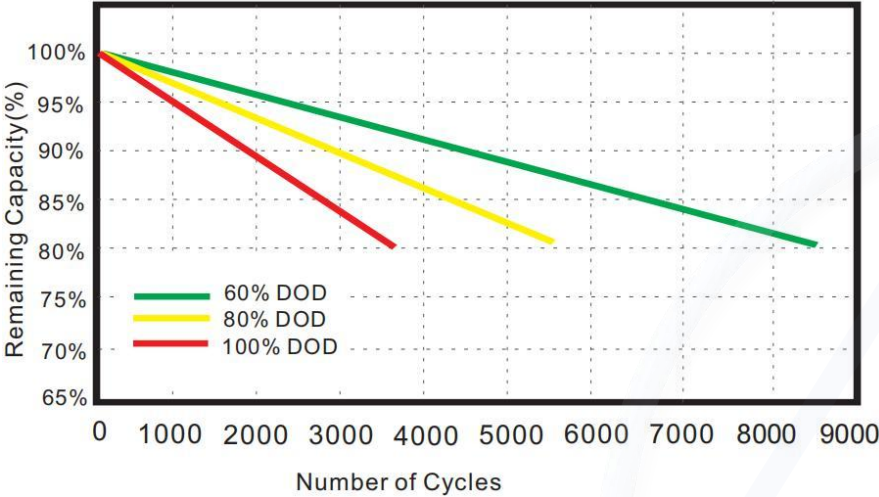


Characteristics / Model		TH-51100-M	TH-51205-M	TH-51280-M
Electrical Characteristics	Rate voltage(Vdc)	51.2	51.2	51.2
	Cell combination	16S1P	16S1P	16S1P
	Rate capacity(AH)	100	205	280
	Energy storage(WH)	5120	10496	14336
	Cycle life	25±2°C, 0.5C / 0.5C, EOL70% ≥ 6000		
Charge/Discharge Standard	Charge voltage(V)	56	56	56
	Max.charge current(A)	100	150 (200 optional)	150 (200 optional)
	Max.discharge current(A)	100	150 (200 optional)	150 (200 optional)
	Charge cut-off Voltage(Vdc)	43.2	43.2	43.2
	Discharge cut-off Voltage(Vdc)	58.4	58.4	58.4
Certification	Pack certification	UN38.3 / MSDS		
	Cell certification	UN38.3 / MSDS / CE / IEC62619 / UL1973 / UL2054 (A Class brand new cell)		
Communication	Protocol(Optional)	CAN / RS485 / RS232		
	Control and Monitor system	Bluetooth / Wifi / Wlan by built-in touch screen and Legacy APP		
Enivorment	Charge temperature	0°C ~ 50°C @ 60 ± 25% Relative Humidity		
	Discharge and storage temperature	-20°C ~ 50°C @ 60 ± 25% Relative Humidity		

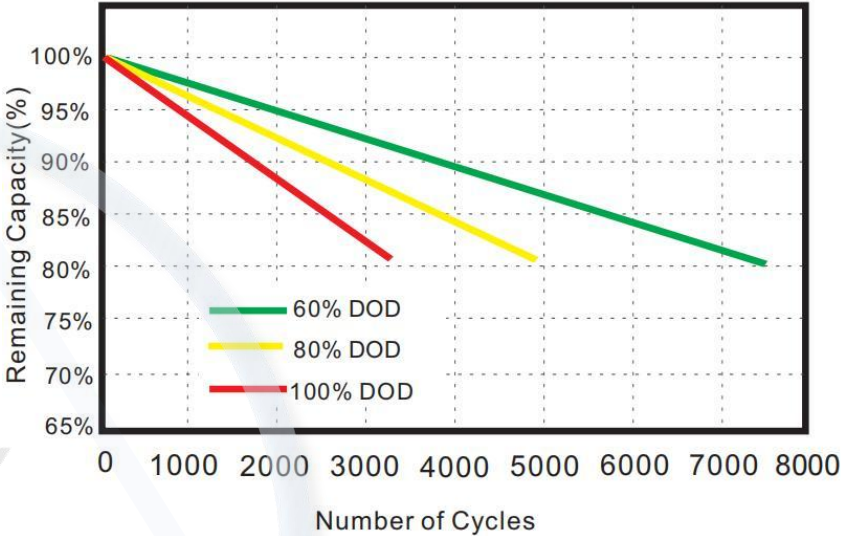


TH-W N TH-M LIFE CURVES OF DISCHARGE DEPTH

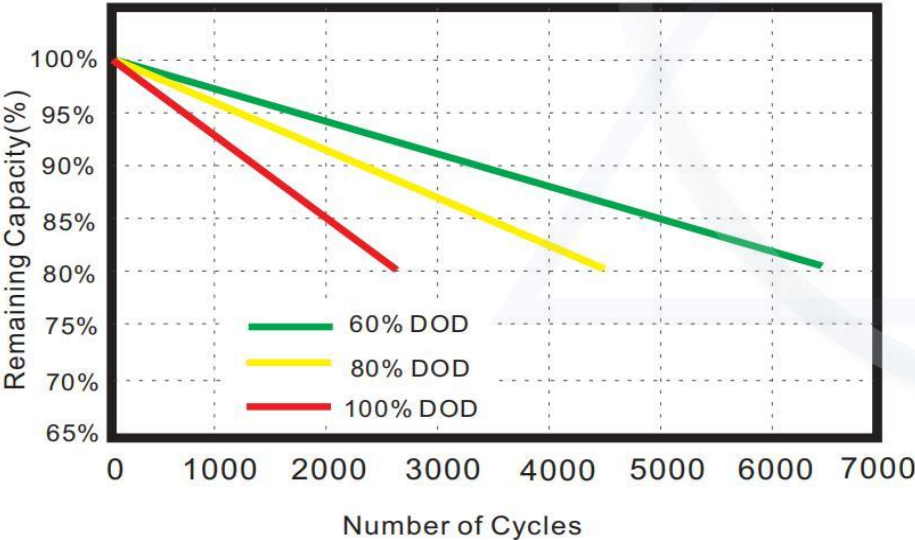
1 Discharge depth curves of ife circle @ 25°C



2 Discharge depth of ife curves @ 35°C



3 Discharge depth curves of ife circle @ 45°C



DESIGN WORKING LIFE: 20 YEARS

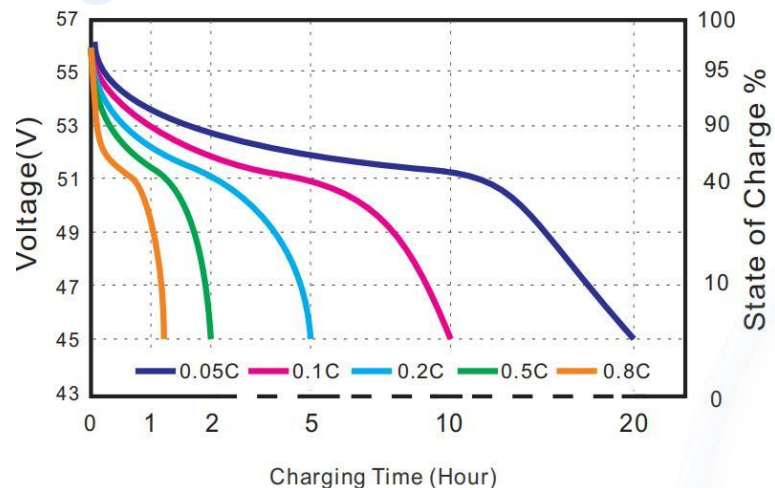
Temperature	60% DOD	80% DOD	100% DOD
25°C	8500 times	5500 times	3600 times
35°C	7500 times	5000 times	3100 times
45°C	6500 times	4500 times	2600 times

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

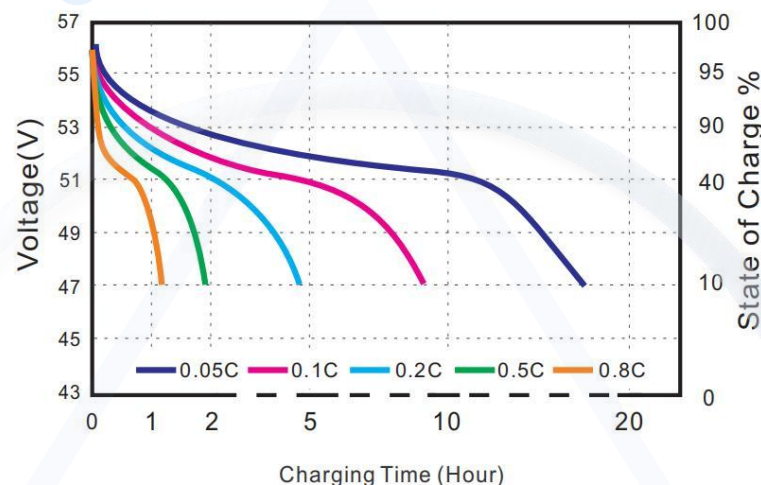
*These are not minimum values. Cell and battery designs or specifications are subject to modificatio without notice.

TH-W N TH-M DISCHARGE CURVES OF DIFFERENT RATE

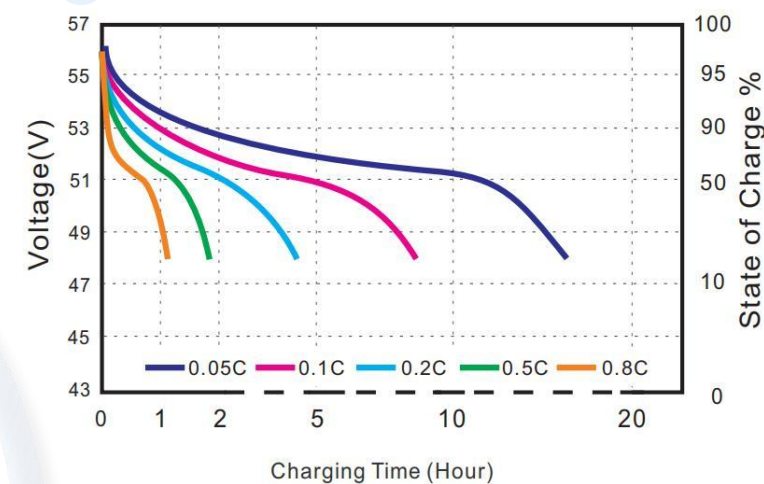
1 Discharge curves of different rate @ 95% DOD



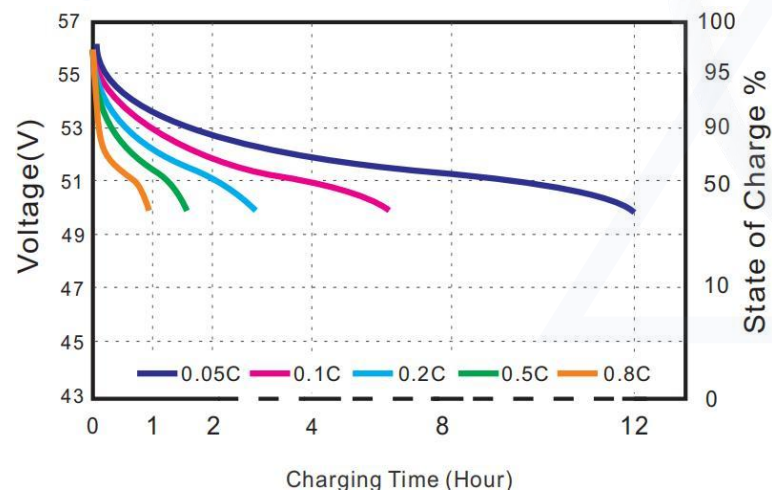
2 Discharge curves of different rate @ 90% DOD



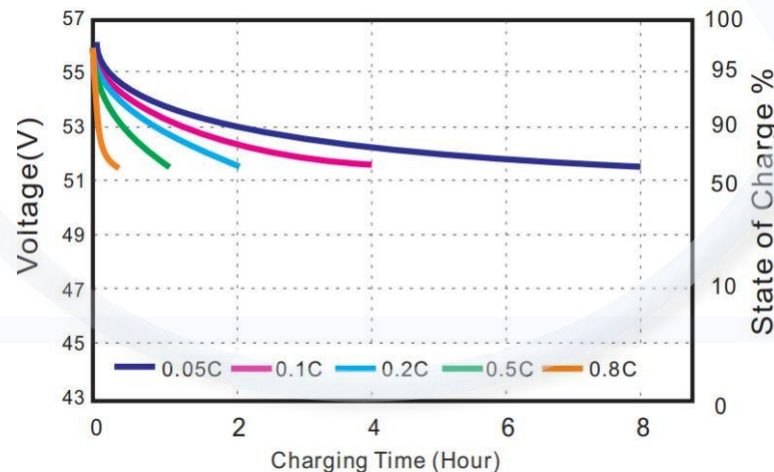
3 Discharge curves of different rate @ 80% DOD



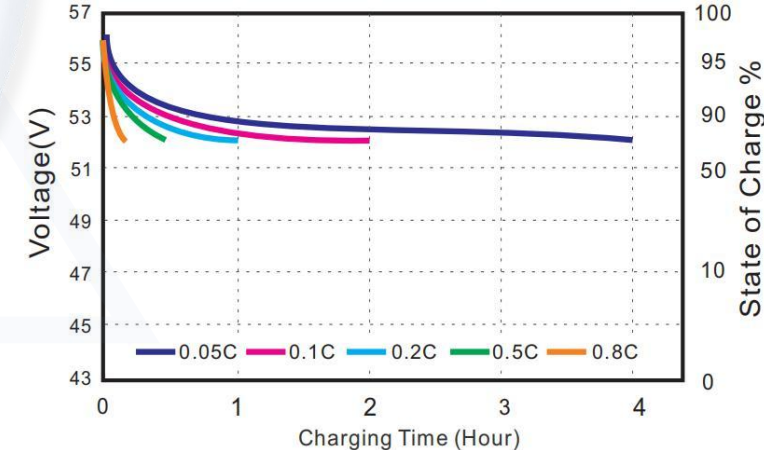
4 Discharge curves of different rate @ 60% DOD



5 Discharge curves of different rate @ 40% DOD

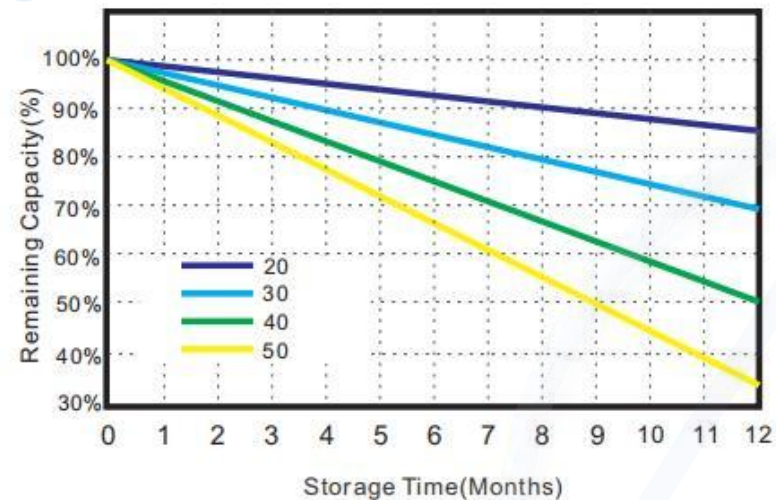


6 Discharge curves of different rate @ 20% DOD

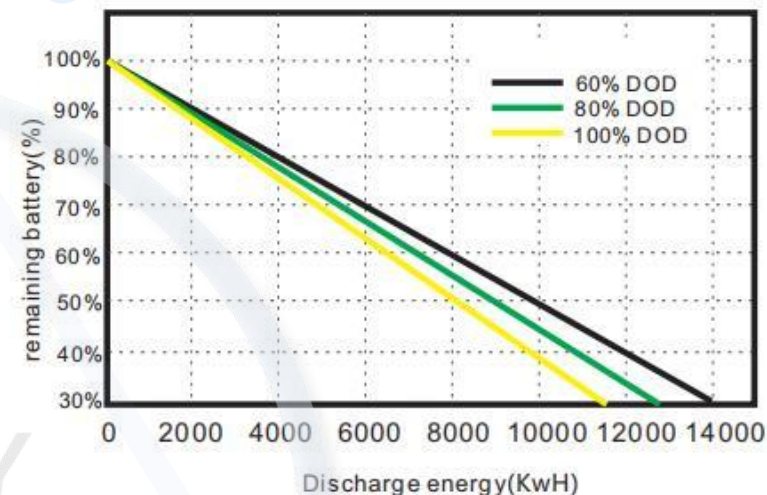


TH-W N TH-M LABORATORY CHARACTERISTICS

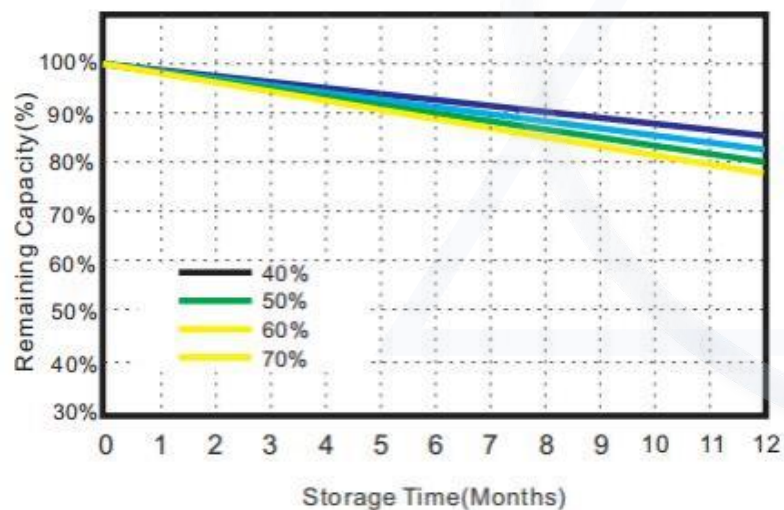
1 Different temperature self-discharge curves @ RH 50 %



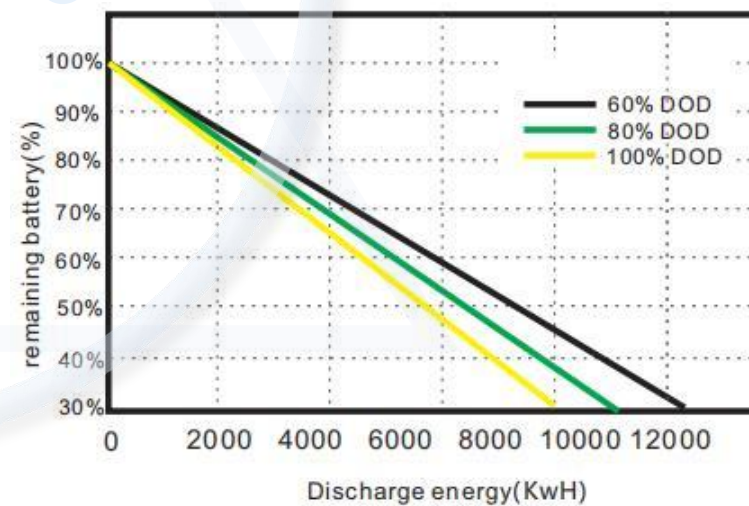
2 Different DOD total energy exchange @ 25°C/0.5C



3 Different humidity discharge curves @ 25°C



4 Different DOD total energy exchange @ 40°C/0.5C





LET'S DEVELOP TRUST AND BUSINESS!

www.connectinglegacy.com

Legacy canadian products designed in Canada,assembled in China.