

RESI Serie Wall-Mount/Rack-Mount



LiFePO4 Battery

51.2V: 100Ah/200Ah (RM)

51.2V: 100Ah/200Ah/300Ah/400Ah (WM)



High class LiFePO4 cells are selected ,
>6000 cycles service life is guaranteed ;



Built-in self-developed BMS,
safety and reliability are guaranteed by
multi-protections ;



Considered details for the system design
with single cell container, fire retardant wires
and laser welding processing ;



Easily access to battery voltage, current, temp.,
SOC details through LCD display (optional);



Compatible with most tier 1 inverter brands for
communication through CAN or RS485 ;



Module design plug-inconnectors are available;
Firmware upgradable by RS485 port;



Compatibility



Intelligence



Safety



Easily Installation

RACK-MOUNT LIFEPO4 BATTERY

WALL-MOUNT LIFEPO4 BATTERY

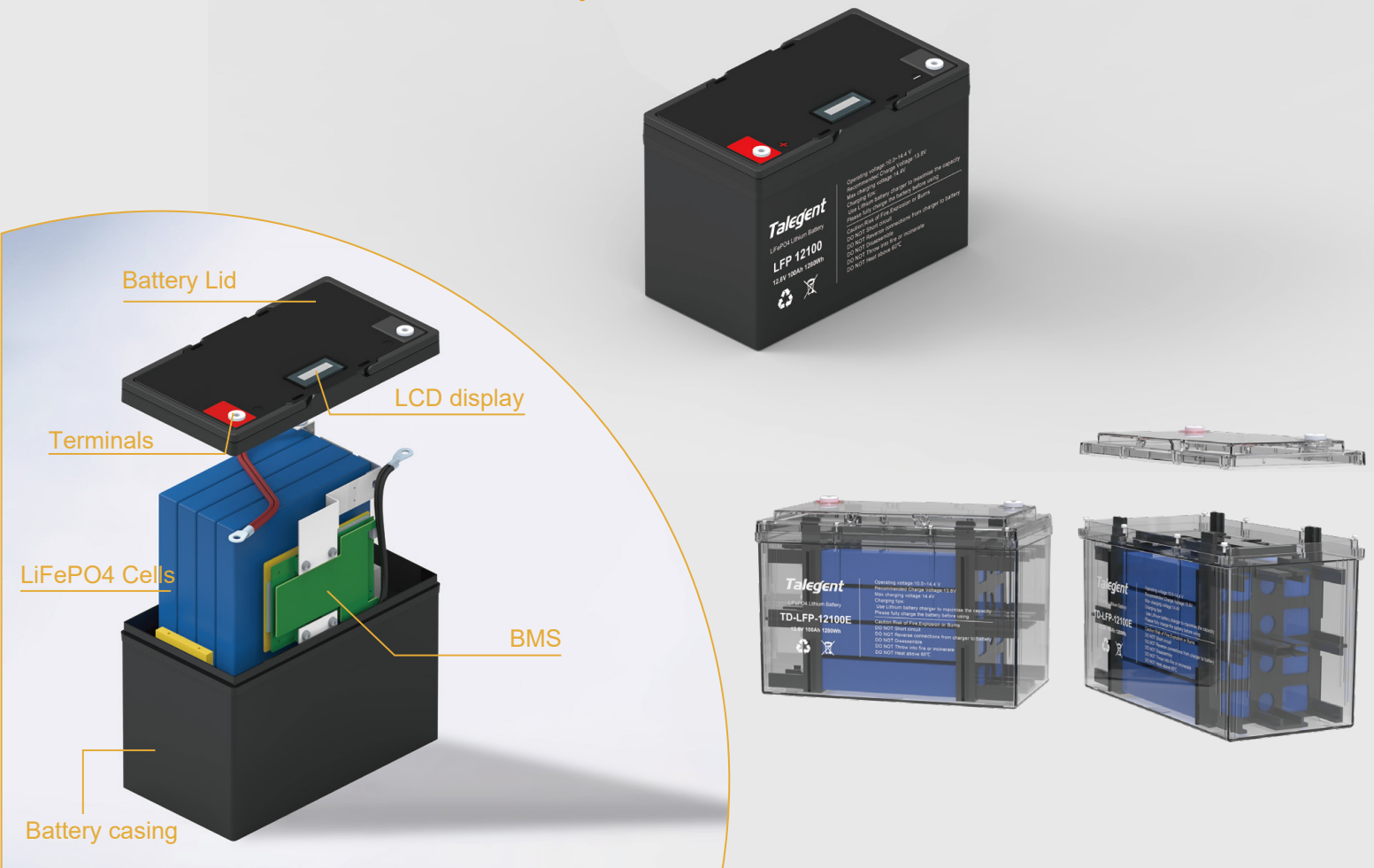


SPECIFICATION

Model (RESI)	51100RM	51200RM	25200WM	25300WM	51100WM	51200WM	51300WM	51400WM
GENERAL SPEC								
Rated Voltage （V）	51.2		25.6		51.2			
Rated Capacity （Ah）	100	200	200	300	100	200	300	400
Rated Energy （Wh）	5120	10240	5120	7680	5120	10240	15360	20480
OPERATION PARAMETER								
Voltage Range （V）	44.8-56.0		22.4-28.8		44.8-56.0			
Charge Voltage Range （V）	55.2-56.0		28.0-28.8		55.2-56.0		56.0-57.0	
Cut-off Voltage （V）	44.8		22.4		44.8			
Recommend Charge Current （A）	50	50	100	100	50	100		
Max Charge Current （A）	100	200	200	100	100	200		
Max Discharge Current （A）	100	200	200	200	100	200		
PHYSICAL PARAMETER								
Dimension: L*W*H （mm）	442*480*154	442*600*230	455*575*230	460*580*231	400*530*178	455*680*230	455*865*245	540*950*264
Weight （kg）	45	80	45	30	45	90	128	168
Communication Port	RS485、CAN							
Display	LED+LCD							
Terminal	M9		Plug-in					
ENVIRONMENT PARAMETER								
Humidity （%）	5-95% RH							
Charge Temperature Range （℃）	0-45							
Discharge Temperature Range （℃）	-20-60							
Storage Temperature Range （℃）	-20-45							
SERVICE LIFE								
Cycle Life	>6000 （0.5C@ 25℃ ， 80% DOD）							
Design Life (Year)	15							
CERTIFICATION								
Safety & Certification	CE， EMC， TUV （IEC62619） ， UL1973							
Transportation	UN38.3							

Product specifications are subject to change without further notice.

TD-LFP Serie LiFePO4 Battery



HIGHER POWER DENSITY.LIGHTER ON WEIGHT

Talegent 12.8/25.6V LiFePO4 batteries are lighter on weight thanks to its higher power densities ,just 1/3 of their lead acid counterparts .Better user-friendly experiences for installation and transportation handling ;



HIGHER DEPTH OF DISCHARGE

Talegent 12.8/25.6V LiFePO4 batteries have higher depth of discharge than lead-acid batteries: 100% vs 50%. This results in a higher usable capacity;



LONGER LIFETIME. LOWER COSTS

Talegent 12.8/25.6V LiFePO4 models , provide up to 4000 cycles at 80% DOD , nearly 4-5 times longer lives than their lead acid counterparts ,resulting in fewer costs per kilo watt-hour;



FASTER CHARGING

Talegent 12.8/25.6V LiFePO4 batteries can be charged much faster than traditional lead-acid batteries. Max 1C charging is workable for LiFePO4 while max 0.2C for lead acid models ,nearly 5 times faster charging capability;

SPECIFICATION

MODEL	TD-LFP-1208E	TD-LFP-12100E	TD-LFP-12200E	TD-LFP-25100E	TD-LFP-25200E
MECHANICAL SPECIFICATIONS					
Case Material	ABS				
Cell Type-Chemistry	Cylindrical LiFePO4	Prismatic LiFePO4			
Terminal Type	F2	M8			
IP Grade	IP 65				
BMS CHARACTERISTICS					
Recommended Charge Current	4A	50A	100A	50A	100A
Maximum Charge Current	8A	100A	200A	100A	200A
Maximum Continuous Discharge Current	24A	100A	200A	100A	200A
Recommended Charge Voltage	13.6~13.8V			27.2~27.6V	
Max Charge Voltage	14.4V			28.8V	
Overcharge Protection Voltage	14.8~15.0V			29.6~30.0V	
Charge Mode	CC/CV				
Discharge Cut-off Voltage Range	8.8V			17.6V	
BASIC PERFORMANCE					
Nominal Voltage	12.8V			25.6V	
Nominal Capacity	8Ah	100Ah	200Ah	100Ah	200Ah
Standard Discharge Time	20A@20min	100A@60min	100A@120min	100A@60min	100A@120min
Energy	102.4Wh	1.2kWh	2.56kWh	2.56kWh	5.12kWh
IR	< = 35mΩ	< = 15mΩ	< = 15mΩ	< = 15mΩ	< = 15mΩ
Self Discharge	<=2%/Month				
Cycle Life	1500 times	4000 times			
Size	151*65*100	306*169*215	522*238*223	483*170*240	520*269*220
Weight	1.1KG	10.1KG	19.5KG	21KG	43KG
COMPLIANCE					
Certifications	CE/UN38.3/UL1642/IEC62133				
Transport Appraisal	UN3480,CLASS 9				
CHARGE PERFORMANCE					
Rated Charge Current	4A	50A	100A	50A	100A
Maximum Charge Current	8A	100A	200A	100A	200A
Rated Charge Voltage	13.6~13.8V			27.2~27.6V	
Charge Cut-off Voltage	> 14.8V (0.5~1.5S)			> 29.6V (0.5~1.5S)	
Reconnect Voltage	< 14.4V			< 28.8V	
Balancing Voltage	< 14V			> 3.5V	
System Series	< = 4			< = 2	
DISCHARGE PERFORMANCE					
Rated Discharge Current	24A	100A	200A	100A	200A
Pulse Current(<=5S)	72A	600A			
Rated Discharge Cut-off Voltage	11.2V			22.4V	
Minimum Discharge Cut-off Voltage	> 10V			> 20V	
Reconnect Voltage	> 10.4V			> 20.8V	
Short Circuit Protection	200~800μs				
Short Circuit Current	Approx.400A	Approx.1200A		Approx.2200A	
TEMPERATURE PERFORMANCE					
Discharge Temperature	-20~60 ℃				
Charge Temperature	0~45 ℃				
Storage Temperature	-5~35 ℃				
High Temperature Cut-off	70 ℃				
Geconnect Temperature	50 ℃				

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