



**EXTENDED
LIFE CYCLE**



**UNBEATEN
DURABILITY**



**UNMATCHED
COST SAVINGS**



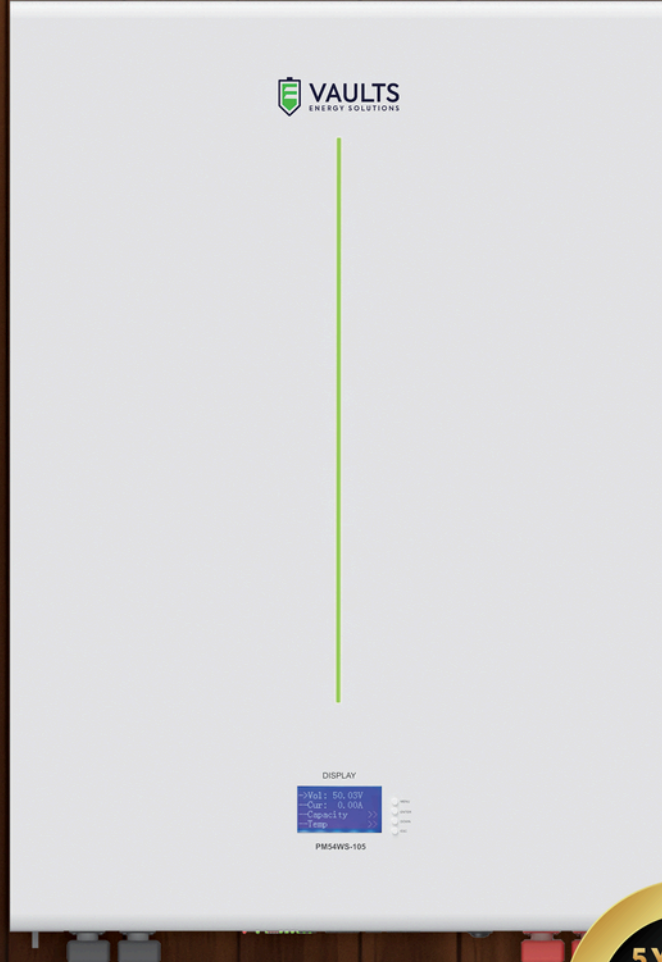
**MAINTENANCE
FREE**



**RELIABLE
STORAGE**



**HI-QUALITY
COMPONENTS**



PROVIDING

ENNEXA

ENERGY STORAGE SOLUTIONS

UNMATCHABLE

5.4 KW (51.2V/105Ah)

SPECIFICATIONS SHEET

Model	PM12WS	PM24WS	PM54WS
Nominal Voltage (V)	12.8	24	51.2
Nominal Capacity (Wh)	1344	2688	5376
Usable Capacity (Wh)	1209.6	2419.2	4838.4
Dimensions (W*D*H) mm	430 x 400 x 106	430 x 588 x 106	568 x 802 x 160
Weight (Kg)	<16	< 35	< 60
Discharge Voltage (V)	11.6 ~ 15	23.5 ~ 28	45.6 ~ 56.8
Charge Voltage (V)	14~14.5	29 ~ 28.8	56 ~ 56.8
Continuous Charge Current (A)	50	50	50
Continuous Discharge Current (A)	75	75	75
Peak Charge Current(A) 20 sec	100	100	100
Peak Discharge Current (A) 20 sec	120	100	120
Recommended Charge Current (A)	30	30	30
Recommended Discharge Current (A)	50	50	50
Communication	-	-	RS485, CAN
Depth of Discharge (DOD%)	90	90	90
Parallel (Max in 1 battery Group)	-	-	16 PCS
Display	Bluetooth	Bluetooth / V,SOC,Current V,SOC,Current,Temp,Cell V	
Working Temperature Degree C *(1)	1 ~ 50 Charge	0 ~ 50 Charge	0 ~ 50 Charge
	-10 ~ 50 Discharge	-10 ~ 50 Discharge	-10 ~ 50 Discharge
Cooling Type	Natural	Natural	Natural
IP Rating of Enclosure	IP20	IP20	IP20
Humidity	5% ~ 95% (RH) Non condensing		
Altitude(m)	< 4000	< 4000	< 4000
Design Life	> 10 Years (25 Degree C)	> 10 Years (25 Degree C)	> 10 Years (25 Degree C)
Cycle Life (Cycle)*(2)	8000	8000	8000

*1 Charge discharge rates are changed with ambient temperature, For more details please check with VES service team

*2 Cycle life is defined based on specific operation conditions, 1 Cycle per day, constant 25 degree C ambient, 0.5C, 70% SOH



ISO-45001



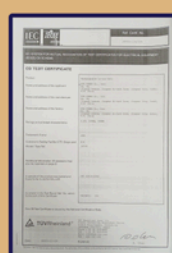
ISO-9001



ISO-14001



CE



IEC-62619



MH-63503



MH-62190



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