

Power Storage Wall Series / OEM
for Home ESS



Redway Battery introduces Power Storage wall series that has applications in both Domestic and Commercial sectors offering backup power to Offices, Homes, Factories, and Businesses. Integrated with latest BMS Technology, our Power Storage wall brings you Safety, Reliability and high performance capability.



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Model	PW24105-S	PW51100-S	PW51100-F (IP65)	PW51200-S
Cell Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	25.6V	51.2V	51.2V	51.2V
Nominal Capacity	105Ah	100Ah	100Ah	200Ah
Norminal Energy	2.688kWh	5.12kWh	5.12kWh	10.24kWh
Dimension (L*W*H)	420*400*133 mm 16.54*15.75*5.24 inch	532*425*170 mm 20.94*16.73*6.69 inch	580*430*155 mm 22.83*16.93*6.1 inch	590*375*245 mm 23.23*14.76*9.65 inch
Weight	25.5kg (56.22 lbs)	46kg (101.4 lbs)	46kg (101.4 lbs)	88kg (194 lbs)
Charge Voltage	29.2V	58.4V	58.4V	58.4V
Discharge Cut-off Voltage	20V	40V	40V	40V
Maximum Charge Current	100A (1C)	100A (1C)	100A (1C)	200A (1C)
Maximum Discharge Current	100A (1C)	100A (1C)	100A (1C)	200A (1C)
Operating Temperature	Charging: 0 ~ 55°C (32 ~ 131°F) Discharge: -20 ~ 60°C (-4 ~ 140°F)	Charging: 0 ~ 55°C (32 ~ 131°F) Discharge: -20 ~ 60°C (-4 ~ 140°F)	Charging: 0 ~ 55°C (32 ~ 131°F) Discharge: -20 ~ 60°C (-4 ~ 140°F)	Charging: 0 ~ 55°C (32 ~ 131°F) Discharge: -20 ~ 60°C (-4 ~ 140°F)
Cycle Life (25°C @60%DOD)	> 8000 Cycles	> 8000 Cycles	> 8000 Cycles	> 8000 Cycles
Cycle Life (25°C @80%DOD)	> 6000 Cycles	> 6000 Cycles	> 6000 Cycles	> 6000 Cycles
Ingress Protection	IP21 (Higher grade optional)	IP21 (Higher grade optional)	IP65 (Higher grade optional)	IP21 (Higher grade optional)
Design Life	20 Years	20 Years	20 Years	20 Years
Warranty	10 Years	10 Years	10 Years	10 Years
Max. Parallel Connection	16	16	16	16
Compatible Inverters	Victron/SMA/Goodwe/Solis/SAJ/ Growatt/Luxpower/SRNE/Deye/etc.	Victron/SMA/Goodwe/Solis/SAJ/ Growatt/Luxpower/SRNE/Deye/etc.	Victron/SMA/Goodwe/Solis/SAJ/ Growatt/Luxpower/SRNE/Deye/etc.	Victron/SMA/Goodwe/Solis/SAJ/ Growatt/Luxpower/SRNE/Deye/etc.
Certifications	UL1642/IEC62619/UN38.3/MSDS	UL1642/IEC62619/UN38.3/MSDS	UL1642/IEC62619/UN38.3/MSDS	UL1642/IEC62619/UN38.3/MSDS



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Model	PW4850-S	PW5150-S	PW51184-S
Cell Type	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	48V	51.2V	51.2V
Nominal Capacity	50Ah	50Ah	184Ah
Norminal Energy	2.4kWh	2.56kWh	9.42kWh
Dimension (L*W*H)	350*335*148 mm 13.78*13.19*5.83 inch	350*335*148 mm 13.78*13.19*5.83 inch	22.83*16.93*176.8 mm 21*28.34*7 inch
Weight	22kg (48.5 lbs)	23.5kg (51.8 lbs)	78kg (172 lbs)
Charge Voltage	54.75V	58.4V	58.4V
Discharge Cut-off Voltage	37.5V	40V	40V
Maximum Charge Current	50A (1C)	50A (1C)	180A (1C)
Maximum Discharge Current	50A (1C)	50A (1C)	180A (1C)
Operating Temperature	Charging: 0 ~ 55°C (32 ~ 131°F) Discharge: -20 ~ 60°C (-4 ~ 140°F)	Charging: 0 ~ 55°C (32 ~ 131°F) Discharge: -20 ~ 60°C (-4 ~ 140°F)	Charging: 0 ~ 55°C (32 ~ 131°F) Discharge: -20 ~ 60°C (-4 ~ 140°F)
Cycle Life (25°C @60%DOD)	> 8000 Cycles	> 8000 Cycles	> 8000 Cycles
Cycle Life (25°C @80%DOD)	> 6000 Cycles	> 6000 Cycles	> 6000 Cycles
Ingress Protection	IP21 (Higher grade optional)	IP21 (Higher grade optional)	IP65 (Higher grade optional)
Design Life	20 Years	20 Years	20 Years
Warranty	10 Years	10 Years	10 Years
Max. Parallel Connection	16	16	16
Compatible Inverters	Victron/SMA/Goodwe/Solis/SAJ/ Growatt/Luxpower/SRNE/Deye/etc.	Victron/SMA/Goodwe/Solis/SAJ/ Growatt/Luxpower/SRNE/Deye/etc.	Victron/SMA/Goodwe/Solis/SAJ/ Growatt/Luxpower/SRNE/Deye/etc.
Certifications	UL1642/IEC62619/UN38.3/MSDS	UL1642/IEC62619/UN38.3/MSDS	UL1642/IEC62619/UN38.3/MSDS

