





PRODUCT OVERVIEW

Murata offers 21" OCP rack mountable battery backup solutions that support high reliability architectures. MWBBES-212-A provides a delivery system for up QTY four (4) 4kW <u>Battery Backup Units</u> (BBU) and a <u>Battery Control Unit</u> (BCU) for deployment in OCP systems and other distributed architecture applications requiring a highly reliable, scalable energy storage solutions. The BBU adapts advanced battery technology resulting in much lower weight compared with traditional lead acid battery solutions, reducing the total cost of ownership.

ORDERING GUIDE		
Part Number	Discharge power	Charge/Discharge Voltage
MWBBES-212-A	16,000W	12.3Vdc

Parameter	Conditions	Min.	Тур.	Max.	Units
Charge Voltage			12.3		Vdc
	With four BBU	0		3,739	W
Chargo Dowar	With three BBU	0		2,804	W
Charge Power	With two BBU	0		1,870	W
	With one BBU	0		935	W
	With four BBU	0		304	Α
Chargo Current	With three BBU	0		228	Α
Charge Current	With two BBU	0		152	Α
	With one BBU	0		76	Α
Discharge Voltage			12.3		Vdc
	With four BBU			16000	W
Discharge Power	With three BBU			12000	W
Discharge i ower	With two BBU			8000	W
	With one BBU			4000	W
	With four BBU			1300	А
Dischargo Curront	With three BBU			975	Α
Discharge Current	With two BBU			650	Α
	With one BBU			325	Α

ENVIRONMENTAL CHARACTERISTICS					
Parameter	Conditions	Min.	Тур.	Max.	Units
Tomporatura	Storage, without BBU	-40		70	°C
Temperature	Operating	0		40	°C
Humidity	Storage, non-condensing	5		93	%
Humidity	Operating, non-condensing	10		90	%
Shock	12G non-operating				
Vibration	Sine vibration: 5-500Hz, 1G				
Safety approval UL 60950-1, UL 62368-1 IEC 60950-1, IEC 62368-1					
Weight	Without BBUs, BCU		16		Kg

FEATURES

	543(W)) x 600(L) x 87(H) mm
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- Fits in OCP 21" open rack standard
- Houses up to four (4) battery backup units (BBU) and one (1) battery control unit (BCU)
- 120sec hold-up time, up to 16kW
- Up to three battery shelves can be connected in parallel for additional battery backup time
- Output Busbar link kit available for multishelf connection
- Communicates with Murata MWOC/MWDC series Power Shelves
- Hot swappable
- 2U height

Planned Submissions





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OCP compliant rack mountable battery backup Shelf

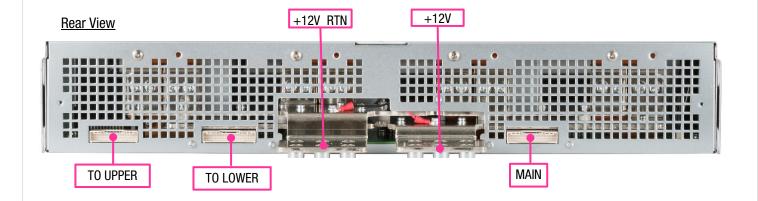
ISOLATION CHARACTERISTICS					
Parameter	Conditions	Min.	Typ.	Max.	Units
Isolation Test Voltage	SELV to chassis	500			Vdc

EMISSION AND IMMUNITY		
Parameter	Standard	Criteria
ESD immunity	IEC/EN 61000-4-2	Level 4 criteria A

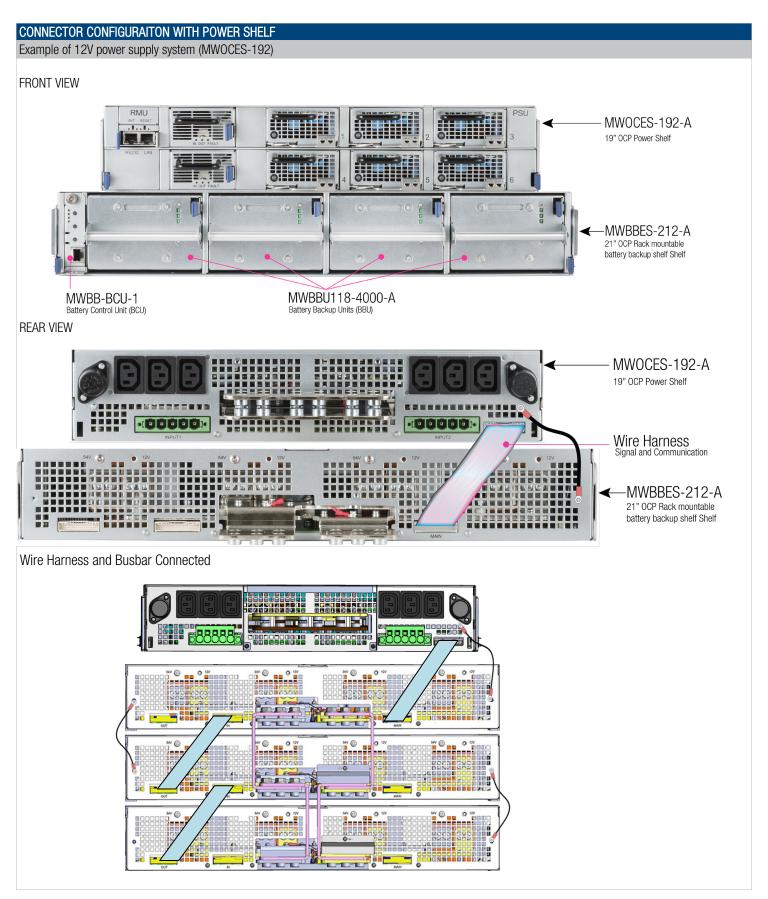
PRODUCT VIEWS AND CONNECTOR DETAILS

Front View

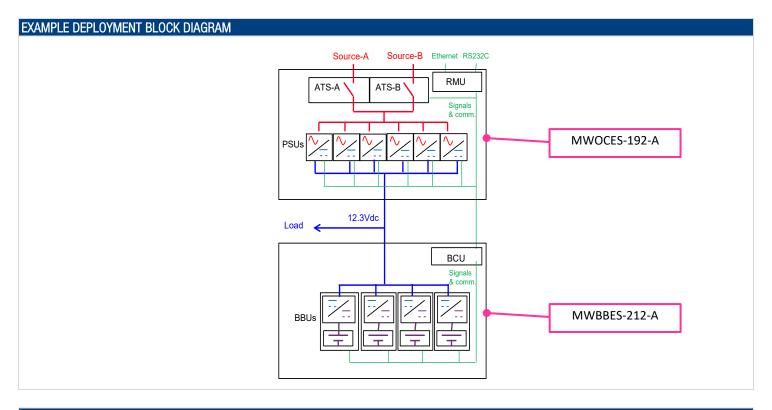


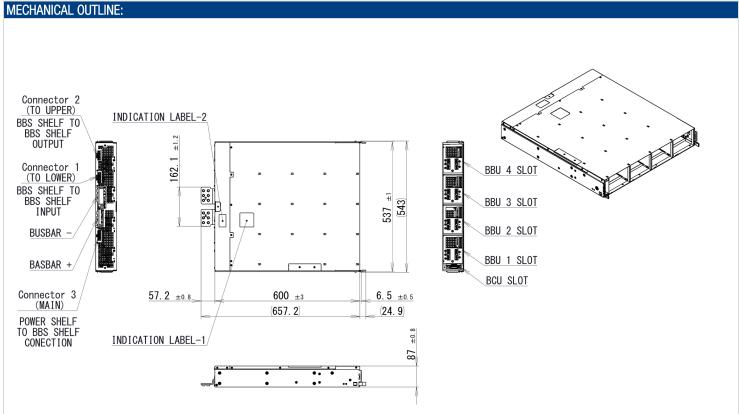
















OCP compliant rack mountable battery backup Shelf

SAFETY CONSIDERATIONS:



Junction between shelf and rack busbar may be extremely hot, in the case of a heavy load and especially when shelf is mounted in V2 Open Rack (Single Busbar). Please be aware and take adequate precautions.

RELATED PRODUCT DATASHEETS				
Order Number	Description	Link to Datasheet		
MWBBU118-4000-A	BBU (Battery Backup unit)	https://power.murata.com/datasheet?/data/power/mwbbu118-4000-a.pdf		
MWBB-BCU	BCU (Battery Control Unit)	https://power.murata.com/datasheet?/data/power/mwbb-bcu.pdf		
MW0CES-192	19" 2U, OCP compliant power shelf	https://power.murata.com/datasheet?/data/power/mwoces-192.pdf		
MW0CES-211	21" 10U, OCP compliant power shelf	https://power.murata.com/datasheet?/data/power/mwoces-211.pdf		
MWBB-KIT-2	Installation kit	-		
MWBB-KIT-3	Busbar link kit	-		
MWBB-KIT-5	Installation kit	-		
MWBB-KIT-8	Installation kit	-		

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This product is subject to the following operating requirements and the Life and Safety Critical Application Sales

Polloy: Refer to: https://www.murata-ps.com/requirements/
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