

ALPHA[®] SF828-MBB

Multi-Busbar Flux For Advanced Solar PV Interconnection

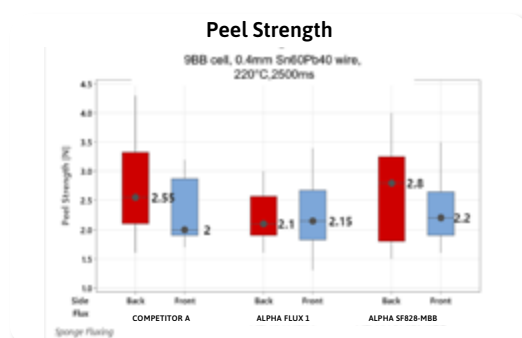
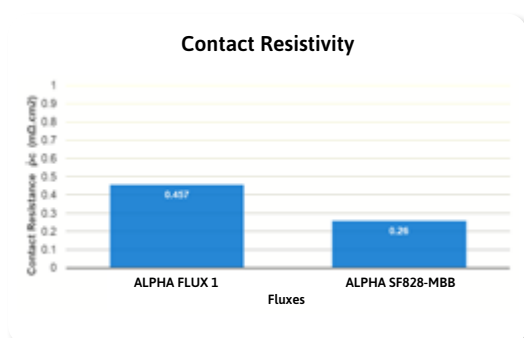
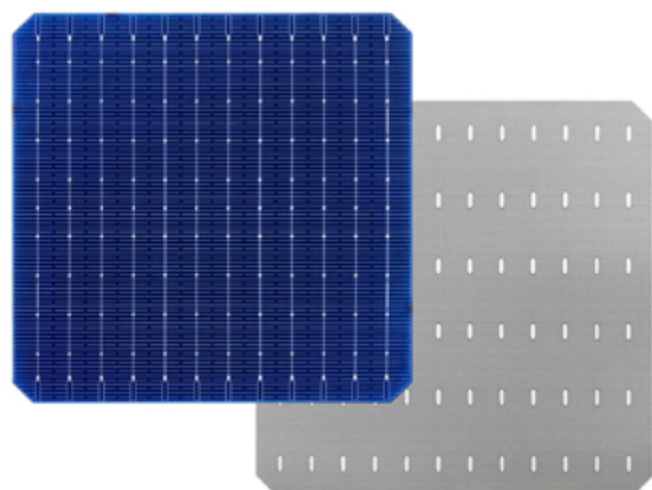
ALPHA SF828-MBB is a next generation Photovoltaic (PV) tabbing and stringing flux specially designed for advanced multi-busbar PV interconnection, aimed at soldering small surface areas of wire and delivering excellent peel force and high machine cleanliness.



KEY FEATURES

- Suitable for challenging interconnection with a ribbon wire size less than 0.4mm diameter
- Minimal or no heating is required prior to wire ribbon dipping
- Minimal, tack free residues for low equipment maintenance and downtime
- Reduced wire slip

ALPHA SF828-MBB provides high reliability for long module life. It is compatible with a variety of encapsulants including a variety of EVA materials.



EVA Compatibility



No yellowing and delamination observed

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PERFORMANCE SUMMARY

TECHNICAL DATA	ALPHA SF828-MBB
Solid Content	2
Acid Number (mg KOH/gm)	15.8
Special Gravity	0.791
Flux Type, IPC J-STD-004	ORLO
Halogen Content	Halogen-Free

APPLICATION PROCESS

PROCESS CONTROL	ALPHA SF828-MBB
Flux Application	Dip*, Soak*, Spray
Preheat Temp.°C	100 - 140
Soldering Method	Contact Soldering, IR, Convection
Soldering Temp °C (SnPb)	220 - 280

*Preferred Process

RELIABILITY PERFORMANCE

DAMP HEAT TEST (85°C/85%RH)		
	T0 Hr	T1000 Hr
ALPHA SF828-MBB		
No color degradation and smudging of flux layer observed. Soldering and bonds remain intact.		

WIRE SHIFTING IMPROVEMENT

