




Industrial Batteries

GEL VRLA		
XL	SMG/F	SMG
		
GEL VRLA	GEL VRLA	GEL VRLA
FIAMM flat plate gel blocs for unstable grid application	FIAMM tubular gel batteries are designed for cycling and excellent temperature resistance	

- main application
- secondary application

application & usage	high rate UPS			
	telecom	●	●	●
	emergency, security, signaling & other UPS			●
	IT network & data centers			
	industry & process controls			●
	utilities			●
	oil & gas / switchgear			●
	leisure, toys & minor traction			
	renewable energy storage			
	designed for use also at elevated temperature	●	●	●
unstable grid installation	●	●	●	
off-grid installation		●		
technology & design	positive plate & electrolyte	flat plate electrolyte in gel	tubular electrolyte in gel	tubular electrolyte in gel
	DIN type			DIN 40742 OPzV
	target discharge profile	30min to 10h discharge	1h to 10h discharge	1h to 10h discharge
	deep discharge (DIN 43539T5 for VRLA)	✓	✓	✓
	design life*	>12 years	15 years	18 years
	maintenance	maintenance free	maintenance free	maintenance free
	Eurobat classification	Long Life 12 years and longer	Long Life 12 years and longer	Long Life 12 years and longer
	nominal voltage	12V	12V	2V cells
	capacity range	100 to 200 Ah	100 to 130 Ah	220 to 3350 Ah
	design & installation	front terminal for 23" cabinets	front terminal for 23" cabinets	vertical or horizontal installation
FV0 flame retardant plastics	✓	✓	optional	
remote venting	✓	✓		

* in float operation and temperature controlled environment