

P4X: 48V Basic System Module

General Electric Specification

	HD	UHD	Units	Margin	Comments
Cells Capacity @ 1 A Discharge	37	45	Ah	+ 1 / - 2	@ 0 cycles
Nominal Capacity @ 10 A Discharge	34.5	42	Ah	+ 1 / - 2	@ 0 cycles
Minimal Cycle Life (standard setting)	1000	1000	#	full cycles	min. 70% rated capacity
Minimal Cycle Life (long life setting)	2000	1500	#	full cycles	min. 70% rated capacity
Nominal Voltage	51.1	50.9	V		
Charge Voltage Limit	58.8	58.8	V	+ 0.0 / - 0.28	Not for long life settings
Nominal Charge Current	10	10	A		Recommended : "CC" and "CV" model
End of Charge Current Limit	0.5	0.5	A		advised
Discharge Voltage Limit	44	44	V	+/- 1	Drive system should shutdown at this Voltage
Nominal Discharge Current	50	50	A		
Peak Discharge Current	120	120	A		@ T =25°C / 10 sec
Fast Charging	No				
Parallel Switching	Yes (MPC)**				Typical up to 26 P
Serie Switching (High Voltage)	No				
Certification	UN 38.3; IEC62133				For at least one Cell type
Functional Safety Compliance	IEC61508 - SIL 2				Certified for at least one cell type
Light Electric Vehicle Compliance*	EN50604-1				Design suitable for Certification
Electric Vehicle compliance*	R100*				Design suitable for Certification
Industrial compliance	IEC62619				Design suitable for Certification
Compatibility with North America	ANSI/CAN/UL/ULC 2271				Design suitable for Certification
Ingress Protection level	IP65				
Chemistry	NMC				
Dimensions	429 x 266 x 78		mm.		
Weight	12.4		kg.		

*) Outer Protective Casing required
 **) Multi Pack Configuration

Parallel Switching Options:

