

# P4X

48V

General Electric Specification : 48V Basic System Module P4X					
	HD	UHD			
Cells Capacity @ 1 A Discharge	37	45	Ah	+ 1,5 / - 1,5	@ 0 cycles
Nominal Capacity @ 10 A Discharge	34,5	42	Ah	+ 1,5 / - 1,5	@ 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 / 10 sec
Fast Charging	No				
Parallel Switching	Yes (MPC**)				typical up to 26 P
Serie Switching (High Voltage)	No				see P4X-HV
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				
Dimensions	429 x 266 x 78		mm.		
Weight	12,4		Kg.		
	*) Outer Protective Casing required				

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\*\* MPC = Multi Pack Configuration

Paralles Switching options:

### PARALLEL DIS-/CHARGING



Hot Swap  
Cycle Intelligent  
Charging

**Safety**  
By Redundancy  
**Benefit**  
Higher Currents or  
Longer Cycle Life  
**Application**  
Fixed

### SEQUENTIAL DIS-/CHARGING



Hot Swap  
Cycle Intelligent  
Charging

**Safety**  
By Redundancy  
**Benefit**  
Less Packs Needed  
Less Chargers Needed  
**Application**  
Portable

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