

# G4X-HV


High Voltage

General Electric Specification : 48V Basic System Module G4X HV					
	HD	UHD			
Battery Capacity @ 1 A Discharge	74	90	Ah	+ 3 / - 3	@ 0 cycles
Battery Capacity @ 10 A Discharge	69	84	Ah	+ 3 / - 3	@ 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	No				max 26 P
Serie Switching (High Voltage)	100 - 600		V		
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
Compatibility with North America	ANSI/CAN/UL/ULC 2271				design suitable for Certification
Ingress Protection level	IP44/IP67				IP44 closed Cap; IP67 mated Connector
Dimensions	600 x 400 x 78		mm.		
Weight	25		Kg.		

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\*\* MPC = Multi Pack Configuration  
Paralles Switching options:

**PARALLEL  
DIS-/CHARGING**




**Safety**  
By Redundancy

**Benefit**  
Higher Currents or  
Longer Cycle Life

**Application**  
Fixed

Hot Swap  
Cycle Intelligent  
Charging

**SEQUENTIAL  
DIS-/CHARGING**



**Safety**  
By Redundancy

**Benefit**  
Less Packs Needed  
Less Chargers Needed

**Application**  
Portable

Hot Swap  
Cycle Intelligent  
Charging

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