



General Electric Specification : 48V Basic System Module P4X

	HD	UHD	HP			
Battery Capacity @ 1 A Discharge	37	45	39	Ah	+ 2 / - 2	@ 0 cycles
Battery Capacity @ 15 A Discharge	34,5	42	33	Ah	+ 1.5 / - 1.5	@ 0 cycles
Minimal Cycle Life (standard setting)	1000	500	300	#	full cycles	min. 70% rated capacity
Minimal Cycle Life (long life setting)	2000	1000	500	#	full cycles	min. 70% rated capacity
Nominal Voltage	51,1	50,9	50,9	V		
Charge Voltage Limit	58,8	58,8	58,8	V	+ 0.0 / - 0.28	not for long life settings
Nominal Charge Current	15	15	15	A		recommended : "CC" and "CV" model
End of Charge Current Limit	0,5	0,5	0,5	A		advised
Discharge Voltage Limit	43	43	43	V	+/- 1	drive system should shutdown at this Voltage
Nominal Discharge Current	40	40	50	A		
Peak Discharge Current	75	75	120	A		@ T =25°C / 10 sec
Fast Charging	No	No	Yes			
Parallel Switching	Yes (MPC**)					max 16P
Serie Switching (High Voltage)	No					
Certification	UN 38.3; IEC62133; IEC62619					for at least one Cell type
Functional Safety Compliance	IEC61508					design suitable for Certification
Light Electric Vehicle Compliance*	EN50604-1					design suitable for Certification
Electric Vehicle compliance*	R100*					design suitable for Certification
Compatibility with NA	ANSI/CAN/UL/ULC 2271					design suitable for Certification
Ingress Protection level	IP67					certified design (not tested in production)
*) Outer Protective Casing required						

**) Multi Pack Configuration



Cleantron
 Pesetaweg 37 2153 PJ Nieuw Vennepe
 the Netherlands
 +31 (0) 71 887 60 76
 www.cleantron.nl

PARALLEL DIS-/CHARGING	SEQUENTIAL DIS-/CHARGING
 <p>Safety By Redundancy</p> <p>Benefit Higher Currents <i>or</i> Longer Cycle Life</p> <p>Application Fixed</p> <p><small>Hot Swap Cycle Intelligent Charging</small></p>	 <p>Safety By Redundancy</p> <p>Benefit Less Pack Needed Less Chargers Needed</p> <p>Application Portable</p> <p><small>Hot Swap Cycle Intelligent Charging</small></p>